

Kawneer

STORE FRONTS



THE NEW YORK

LIBRARY OF THE
MUSEUM OF NATURAL HISTORY



By the purchase of the Library of the
Museum of Natural History

NEW YORK

Kawneer

STORE FRONT CONSTRUCTION



CATALOG - K -

KAWNEER MFG. COMPANY,
NILES, MICHIGAN.

Kawneer

STORE FRONTS

Service and Sales Offices

OF

Kawneer Manufacturing Company

Niles, Mich.

ATLANTA, GA.....	1129 Candler Bldg.
BOSTON, MASS.....	6 Beacon St.
BUFFALO, N. Y.....	551 Ellicott Sq.
CHICAGO, ILL.....	175 W. Jackson Blvd.
CINCINNATI, OHIO.....	421 Union Central Bldg.
DES MOINES, IOWA.....	784 Ninth St.
DETROIT, MICH.....	728 Farwell Bldg.
INDIANAPOLIS, IND.....	705 Merchants Bank Bldg.
KANSAS CITY, MO.....	1211 Grand Ave. Temple
MINNEAPOLIS, MINN.....	Builders' Exchange Bldg.
NEW YORK CITY.....	233 Tenth Ave.
PHILADELPHIA, PA.....	501 Central Trust Bldg.
PITTSBURGH, PA.....	4117 Jenkins Arcade Bldg.
ST. LOUIS, MO.....	1407 Syndicate Trust Bldg.

ALSO

KAWNEER MFG. CO. OF CALIFORNIA.....	Berkeley, Cal.
KAWNEER MFG. COMPANY, LTD.....	Guelph, Ont.

NEWARK GLASS CO.

SALES AGENTS

Kawneer

STORE FRONTS

ALL KINDS OF BUILDING GLASS

NEWARK, N. J.

Standards in Store Front Construction

KAWNEER Store Front Construction was originated by an architect. His experience with business buildings made him realize that one of the most important parts of the store building—the show windows and store entrance—had not received the thought that had been centered upon other portions of the building and that the antiquated method of setting store window glass in wood or iron (which would rot or rust and deteriorate in a short time) was wasteful. This architect started out to find a means for setting glass that would be permanent. He not only gained this objective but found as well that mouldings of proper shape drawn from copper or bronze of proper gauges would hold the plate with a rugged grip which at the same time has the resiliency of a spring.

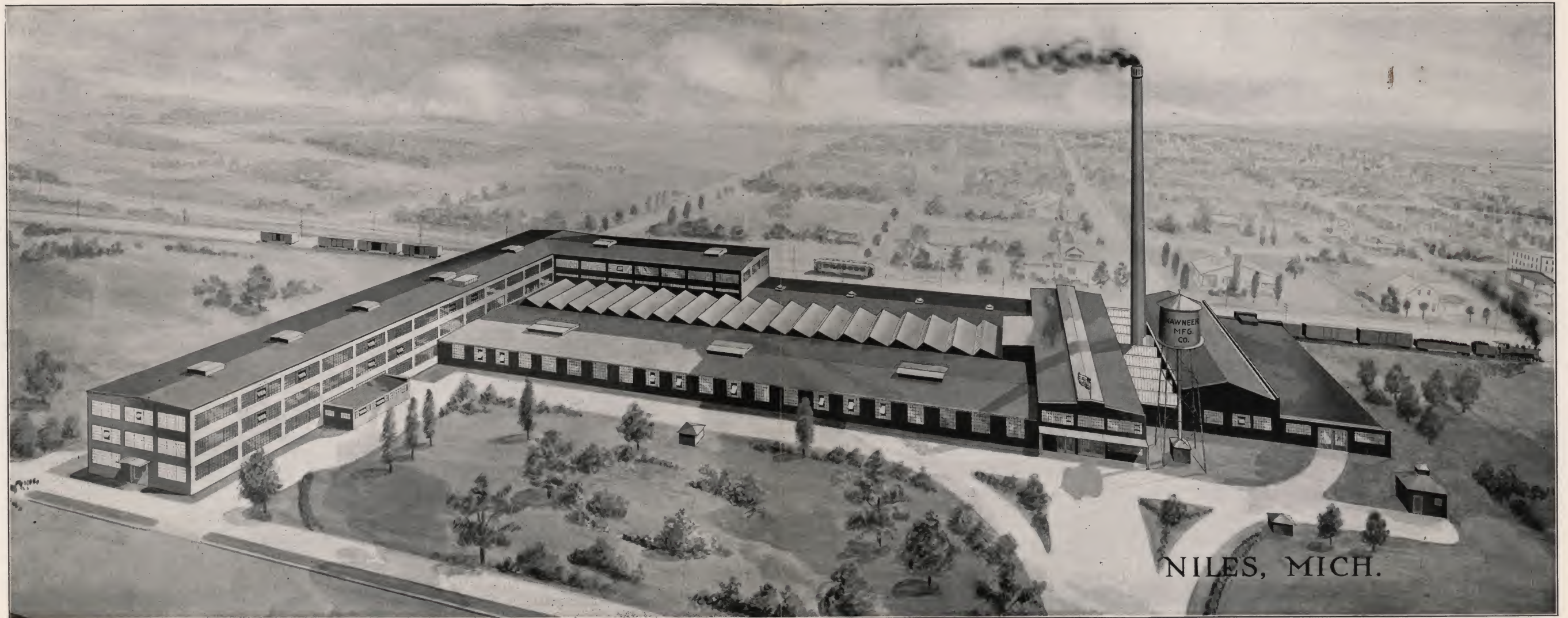
From this point the completed Kawneer Store Front Construction has been developed, so that Kawneer system as now offered is complete from sidewalk to I-beam.

Recognizing the ideas upon which Kawneer Store Front Construction was founded as basic and original—such for example as the idea that plate should not be held in a rigid vice-like grip—the United States Patent Office issued broad patents. Like most successful enterprises, Kawneer Products have been flattered by imitation. We have, however, been successful in defending our patent rights in every case. Every improvement in store front construction has been brought out by Kawneer and will be found in detail in this catalog.

Since Kawneer was invented, some twelve years ago, more than 60,000 store fronts in which this construction has been installed, have proven its superiority from an architectural and sales pulling standpoint. This fact shows, as no other could, **that Kawneer is now the recognized standard for store front construction.**

The development of Kawneer has been rapid. The first Kawneer fronts were manufactured in a small loft. Today three large factories—see pages 4 and 5—afford ample manufacturing facilities for the large quantities of Kawneer material now being used in every part of the country. In order to be better able to serve our customers, branch offices are maintained in fourteen of the larger centers. In many of these, complete stocks of Kawneer material is kept on hand in order to expedite shipments.

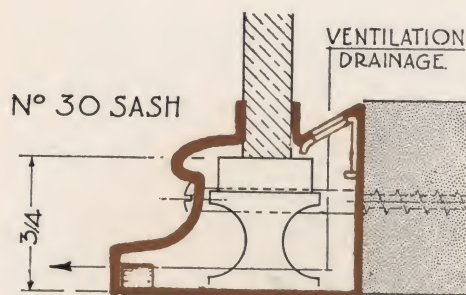
Service has been the key-note of Kawneer progress. Besides putting forth every effort to turn out the best material, we always have been mindful that design plays a very important part in the real value of a store front. For this reason we maintain an organization composed of store front experts. This organization is at the disposal of any one interested in a new store front. We always are pleased to co-operate with architects in helping to work out their store front problems.



Kawneer Factories

THE above illustration gives only a general idea of the facilities at the disposal of the Kawneer Manufacturing Company for rendering the utmost service and quality in its All-Metal Store Front construction. The Niles plant contains more than five acres of floor space. We maintain our own machine shop and in many cases have developed our own machines to efficiently turn out special members or parts in Kawneer Construction. All Kawneer members are produced in our own factories. Specializing our work in highly organized departments, we are able to maintain the very highest standard of quality. This excellent factory organization and our exceptional shipping facilities insure the prompt handling of all orders, large or small.





Give Your Merchandise a Chance

THAT trite saying of Chicago's merchant prince—Goods Well Displayed are Half Sold—never carried so much business truth as today. War conditions, closer competition, better standards in every line of retail trade—all these modern fundamentals of business require that merchandise shall be surrounded by all the sales-suggestions possible.

The experience of every successful merchant shows that his windows are a most efficient medium for presenting this sales-suggestion—not only to actual customers but to those who pass the store as well. But before merchandise can have a fair chance to carry its own sales message, it must be displayed in a proper setting—properly designed show-windows, with an inviting entrance; in short the whole store front must breathe the atmosphere of class the merchandise possesses. Merchandise of the best quality, displayed in dingy, shabby, back number show windows will not draw the trade it should.

More than 60,000 merchants have demonstrated the value of Kawneer All-Metal Store Fronts as an aid in displaying their merchandise. They have found from experience that their Kawneer Fronts—designed in each case to fit their particular needs—draw customers into their stores. They have learned from actual tests that the same merchandise displayed in their new Kawneer show-windows bring a big sales increase over the displays in their old windows.

Compare the Kawneer Store Fronts shown on pages 22 to 31 with the front on your store. **Bear in mind that the cost of these modernized sales windows is more than equalized by the profits they show on increased sales.**



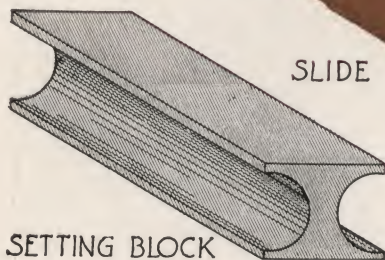
FACE



GUTTER



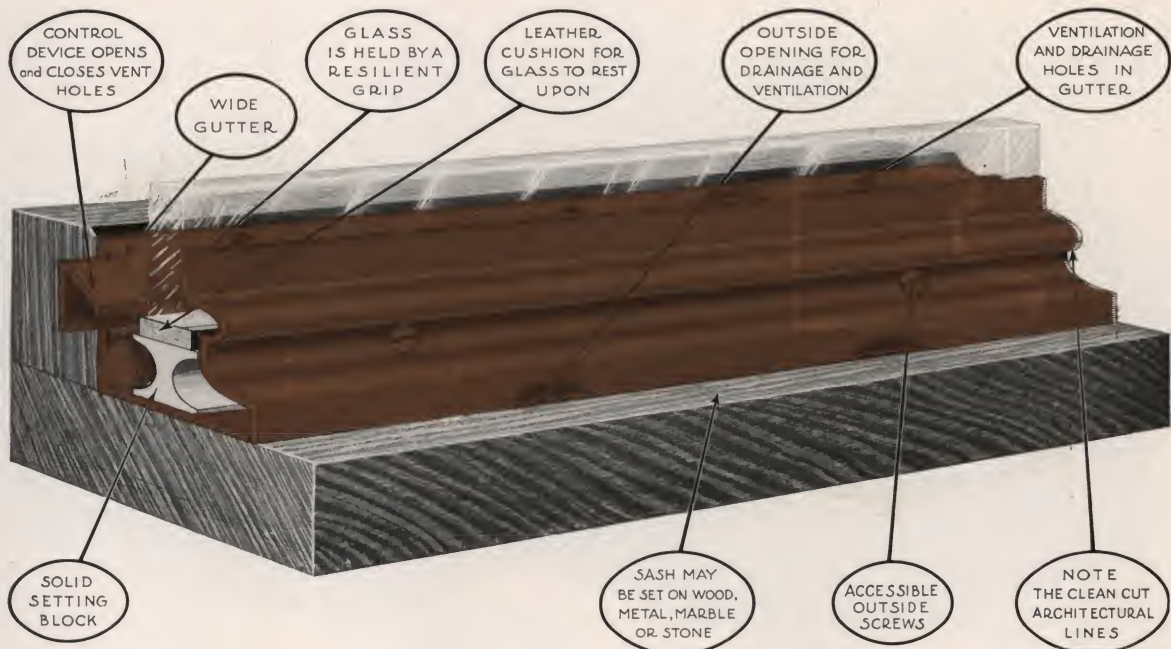
SLIDE



SETTING BLOCK

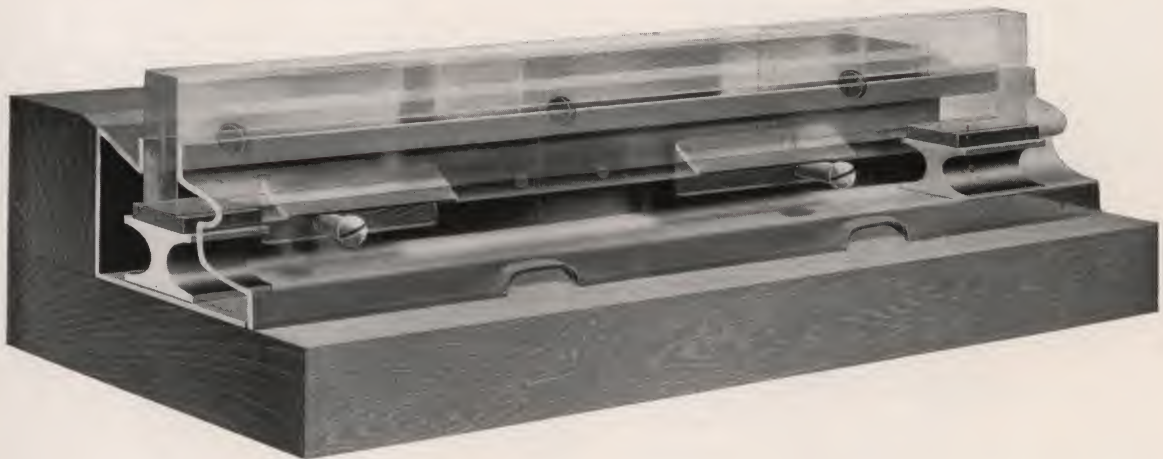
Kawneer

STORE FRONTS



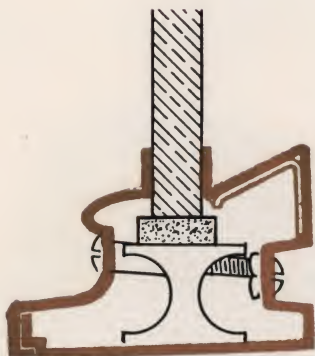
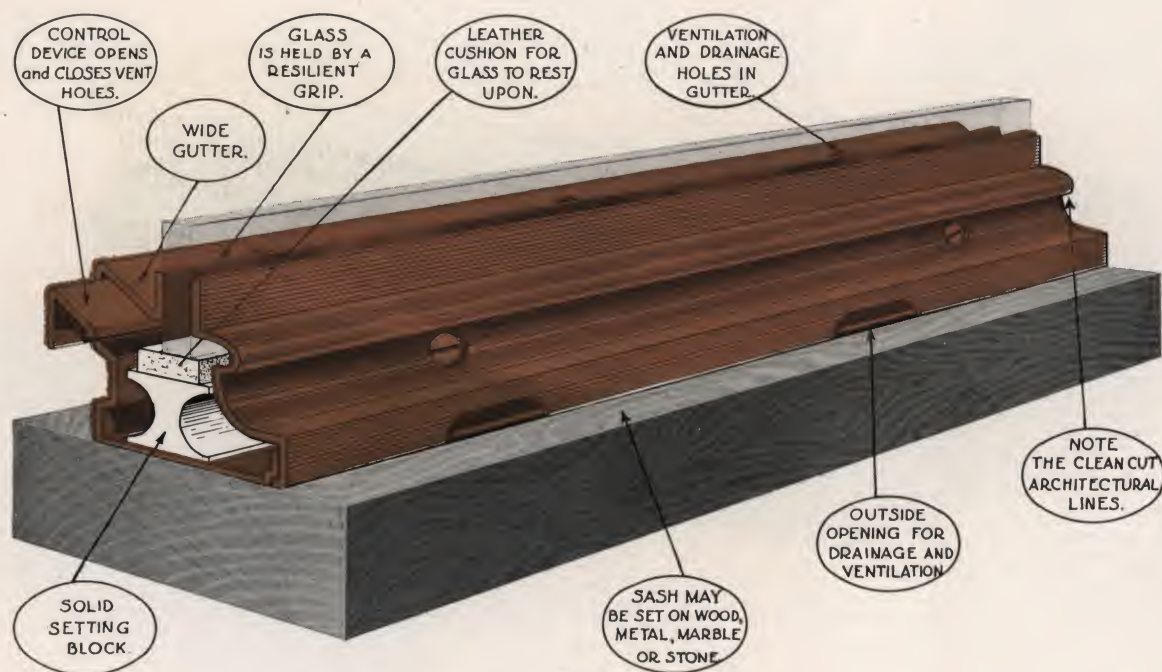
No. 30 Sash

THIS sash is desirable for setting all glass, prism or plate. It is rugged enough for all but extra large plate. Its pleasing architectural lines and trim, close-setting appearance have made it the popular choice for all store fronts of ordinary dimensions. This sash is used on all sills, side and head jambs, either directly against brick, wood, stone or structural iron, or in conjunction with other members or mouldings of our manufacture.



PHANTOM view shows how the plate is held in a firm yet resilient grip between the spring faces of the front (face) and back (gutter) members. **This spring, full resilient grip, is a feature found only in Kawneer construction.**

Adequate drainage and ventilation is provided through a series of holes in the back or gutter member which correspond with similar holes in the face member. A "V" shaped slide, with holes to correspond with those in the gutter, is built in this sash. By opening the slide during the winter months, a full and effective current of cold air circulates along the inner surface of the glass. In this way the air in the show window is brought to the same degree of temperature and humidity as that outside of the plate, thus reducing frosting to a minimum. The slide may be closed and sash made dust tight in summer.



No. 36 Sash

USED where no backing is desired. Its face member is like that on the No. 30 Sash. The inside or gutter member is considerably stronger and is made self-supporting by being set with screws through the base. Regulated ventilation and drainage is provided by the angle slide built in the gutter as in the No. 30 Sash. Machine screws draw the face and gutter members to the proper tension, thus rigidly holding the glass with ample resiliency to provide for contraction and expansion as well as variations in the thickness of the plate.

First Cost is the Last Cost

KAWNEER STORE FRONTS are all-metal from sidewalk to I-Beam. Made of solid copper or bronze and finished in a variety of different finishes, they can be installed at a price no higher, in the average of a few years, than any other material.

Kawneer ventilated metal sash provides for perfect ventilation and drainage of the show windows. The spring grip of the sash and bars ensures enough resiliency to care for all expansion and contraction of the plate. Kawneer construction gives the "all-glass" effect with all the strength necessary. **And being made of a metal that is not affected by the weather, Kawneer fronts will not rot, rust, warp nor deteriorate.** Painting is eliminated. Not one cent for upkeep is required. The First Cost is the Last Cost. **A Kawneer Store Front will hold its attractive beauty as long as the building lasts.**



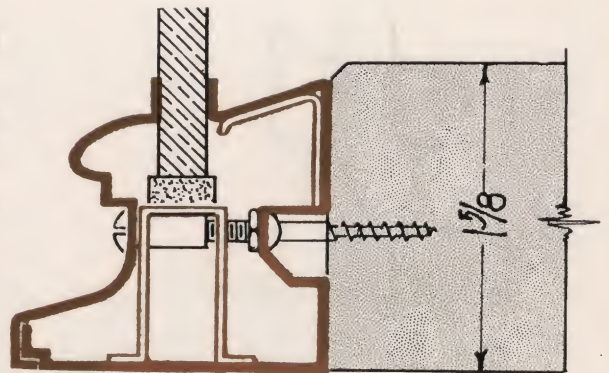
Does the Crowd Go By---or Go Buying

DOES your store front compel the glances of the pedestrians on your street? Does your store stand out as in a different class from your neighbors and competitors? Do your windows arrest attention and carry that powerful suggestion to come inside your store and buy?

More than 60,000 merchants have found their new Kawneer Store Fronts bring a satisfactory answer to all of these questions. Note some of the letters from a few of these merchants on pages 10, 12 and 14.

Turn to the types of Kawneer Store Fronts shown on pages 22 to 31 of this Catalog. Consider how one of these modern, business pulling store fronts would look on your store.

Kawneer experts have more than 12 years experience in designing store fronts with individuality. Write our nearest branch office and let a representative submit a design that will fit your case. We shall be glad to cooperate with you on this without expense or obligation.



No. 31 Sash

THIS style of sash is recommended for use with larger plates and where greater strength is required. The general design of the face member is the same as those of the Nos. 30 and 36 Sash. It is, however, larger and more massive. This sash is so constructed that it easily can be installed against wood, metal, stone or concrete. The gutter or spring member is provided with a gutter $\frac{5}{8}$ inch wide. This large gutter is of special advantage wherever excess drainage must be cared for. This sash also is provided with the Kawneer regulating slide for ventilation and drainage.

Kawneer

STORE FRONTS

CHARLES REMICK, PRESIDENT

LOUIS REMICK, SECRETARY

RYAN & REMICK INCORPORATED CLOTHIERS & OUTFITTERS THE BIG STORE

18-20 LEXINGTON AVENUE, PASSAIC, N. J.

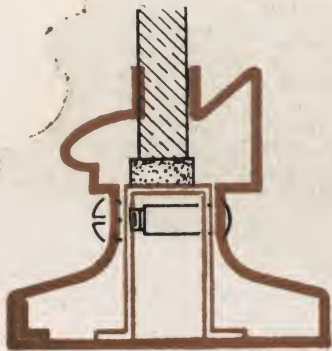
Kawneer Mfg. Company,
Niles, Mich.
Gentlemen:

We feel confident our Kawneer Store Front, which has now been in practical use for the past four years, has been instrumental in adding hundreds of customers to our mailing list. We have been convinced that our windows move merchandise much quicker with the Kawneer Store Front than they would otherwise.

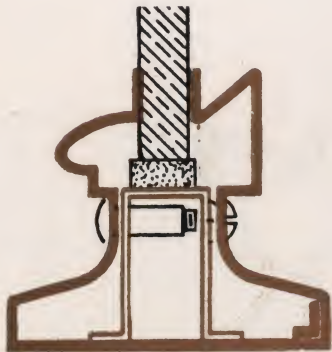
Any merchant contemplating an improvement to his store will find the Kawneer Store Front practical and satisfactory. It will increase sales two-fold. Every live merchant, if he appreciates the value of pulling power, will immediately install a Kawneer Store Front. It draws the public to your store in a most practical way. Experience has taught us that our Kawneer Front was a wise asset attached to our store four years ago.

Yours very truly,
RYAN & REMICK, INC.
Charles Remick, Pres.

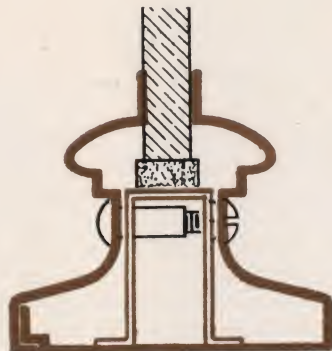
CR-EM



No. 33 Sash. Self-supporting plate is set from the outside. No backing is required.



No. 34. Same general features as No. 33 except that inner member is placed last. Plate may be set from inside.



No. 35 Sash. Used where drainage and ventilation are not required.

"The Famous"

CLOTHING AND SHOE HOUSE LEWIS & JACOBS GOSHEN, IND.

Kawneer Mfg. Co.,
Niles, Mich.
Gentlemen:

Agreeable to your request we are sending you a photograph of our Kawneer Front.

Few towns of ten thousand population have clothing and furnishing stores that do anywhere near the business we do.

With the addition of the Kawneer Store Front, which without doubt is the best trade getter hereabouts, we obtained a greater volume of business than ever.

No further testimonial of your good work is necessary than to say that we did not change even a fraction of any detail of the original design furnished by your company.

With best wishes for your success we are.

Yours respectfully,
LEWIS & JACOBS,
Sam Lewis.

The Famous Front
is shown on Page 31.

OUTFITTERS TO WOMEN WORTHAM'S 203-205 WEST STATE STREET ROCKFORD, ILL.

Kawneer Mfg. Company,
Niles, Mich.
Gentlemen:

The Kawneer Store Front you installed in our building last May has already returned to us several times its cost in the greatly increased volume of business resulting from such attractive display space. We feel that our store front is now a great asset, rivaling our newspaper advertising in producing sales.

Rockford was selected as a location for one of the training camps and consequently thousands of visitors and strangers are coming through the city throughout the year. The attractiveness of our display windows and store front has been the means of bringing many of these people inside our store. We frequently are complimented on the unusual beauty of our store exterior.

The Wortham Front
is shown on Page 25.

Very truly yours,
H. L. WORTHAM CO.



Nos. 33 and 34 Sash

THESE styles differ only in that No. 33 provides for setting the plate from the outside while No. 34 provides for setting the plate from the

inside. Neither sash require backing of any kind. The spring or gutter member of No. 33 Sash is screwed through the base to the sill or jamb construction, while with No. 34 Sash, the face member is fastened in this manner and the gutter member is installed last. No. 34 is of particular advantage for setting plate in second or third stories. For this reason this sash will not be provided with ventilation and drainage holes (unless specifically ordered), as display windows above the first floor are seldom enclosed, and therefore are not liable to frost.



No. 35 Sash

THIS sash is designed for use where no ventilation or drainage is required. It is made up of the face pieces of Nos. 33 and 34 Sash. It is

installed by means of screws through the base and can therefore be used directly against wood, stone, brick or concrete, without backing. This sash is particularly adaptable for use in store and vestibule doors.



The method of anchoring Kawneer Corner Bars is shown above—for both the spring and tubular reinforced bars.



Corner Bars

THROUGH the experience of more than twelve years we have designed four weights in Corner Bar Construction which will cover every requirement found in store front or show window work. The spring members of the No. 3-B (Light) and No. 4-B (Medium) when set in place by the machine screw—designed by our own engineers to meet our special requirements—hold the glass together with a firm yet resilient grip. The special tube-shaped steel stiffeners used on No. 6-B and No. 9-A, provide the rigidity required to meet the lateral pressure from larger plates.

Kawneer

STORE FRONTS

THE WILLSON DRY GOODS CO.

BOONE, IOWA

Kawneer Mfg. Company,
Niles, Mich.

June 18, 1918.

Gentlemen:

Replying to yours of the 12th regarding the front installed by you, the picture of which we submitted to you a few days ago, will say that the design and lay-out as submitted by you gave a good solution of our problem of more display space. This design gives us over 46 feet of outside glass on a 24-foot frontage.

The Kawneer mouldings are all so small they do not detract in the least from the display of merchandise. Although the mouldings seem small they are sufficiently strong to hold the glass, as this front has now been in for three years and we have not had a single breakage of glass, while several of our neighbors have had, due to high winds.

We find this front to be dust proof and has never frosted since it has been in, due to the ventilating slides that surround each piece of glass.

We are sure that this front has been instrumental in drawing attention to our displays and continually the means of making many a sale, and we are firm believers that "Goods Well Displayed Are Half Sold."

Our experience covering three years with a Kawneer Front has convinced the writer that were he building or remodeling a store room his first specification would be a Kawneer Front.

Yours very truly,

WPK-GVL

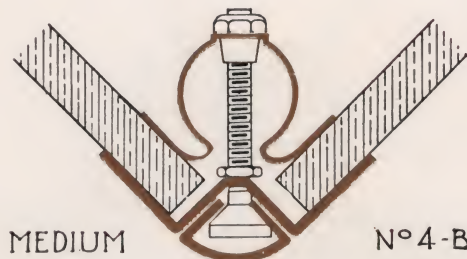
WILLSON DRY GOODS COMPANY.

Wm. F. Keeler
Pres.

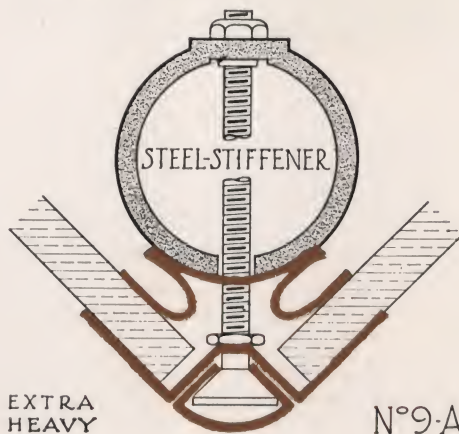
The Willson Front
is shown on Page 27.



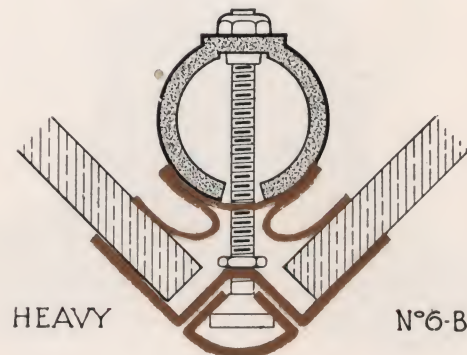
This is the lightest corner bar we manufacture. It should only be used in instances where small plates are to be held, for example, small show-cases, etc.



No. 4-B is a very good and reliable corner bar, built along the same principles as No. 3-B, only heavier.



No. 9-A is the heaviest corner bar manufactured by us and is strongly reinforced. It is designed to successfully withstand a very severe, lateral pressure.



No. 6-B is a corner bar designed for larger plates where more strength is required. It is strengthened with a small tube-shaped reinforcement.

Kawneer

STORE FRONTS

1261 BROADWAY, NEW YORK 1 RUE AMBROISE THOMAS, PARIS

J. P. ALLEN & CO.

WOMENS' AND MISSES' OUTFITTERS

49-51-53 WHITEHALL STREET

ATLANTA, GA.

Kawneer Manufacturing Company
Niles, Mich.

Gentlemen:

We wish to express a word of congratulation for the show windows installed by you for us. They have given us entire satisfaction and we consider them a wonderful selling asset.

We also note that after one year's service that the Kawneer Construction in these windows as well as the other work installed by you is in perfect condition and shows every sign of a permanent job and is retaining its newness in every respect.

Trusting you will have a continued success with your product, we are,

Yours very respectfully,

*The Allen Front is
shown on Pages 26-27.*

J. P. ALLEN & CO.
Per J. P. A.



This shows method of anchoring No. 12-B and No. 13-B Division Bars.

H. N. ISRAEL

Israel

THE CLOTHIER

CEDAR FALLS, IOWA

Kawneer Manufacturing Co.
Niles, Mich.

Dear Sirs:

In reply to your recent letter, would say: Our business has increased a matter of 25% for last year, due no doubt in part to the new Kawneer Store Front we installed.

In spite of the fact that last winter was very cold, our windows never frosted.

*The Israel Front
is shown on Page 29.*

Respectfully yours,
H. N. ISRAEL.

Established 1883

F. G. CLAYTON CO.

Detroit's Largest Exclusive Men's
and Boys' Apparel Store

DETROIT, MICH., U. S. A.

Address all
communications
to the Company

Private
Exchange
Cherry 2310

The Kawneer Mfg. Company
Niles, Mich.

Gentlemen:

So far as our front is concerned, we think the very fact that we selected Kawneer type of construction as the most desirable; that we had it installed in nearly two hundred feet of frontage and that there has never been any dissatisfying or disappointing result since it was installed three years ago, is the best testimonial we could give you regarding our opinion of it.

Of course we are well pleased with it--in fact we are rather proud of our stretch of window frontage.

We believe Kawneer gives the merchant the very fullest possible use of his window space, and could not do otherwise than heartily recommend it in any case where our opinion is asked.

Yours very truly,

F. G. CLAYTON CO.
F. G. Clayton, Pres.

FGC-B

The Clayton Front is shown in part on Page 22 (Middle)



The steel stiffener bar sets over a sturdy steel anchor piece at top and bottom.



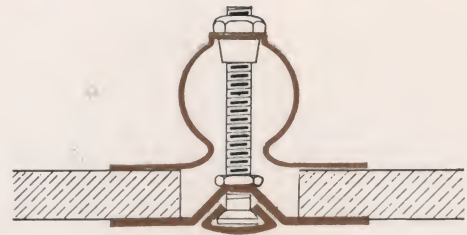
The Wide Angle and Reverse Angle Bars shown on Page 16 also are anchored in this secure fashion.



Division Bars

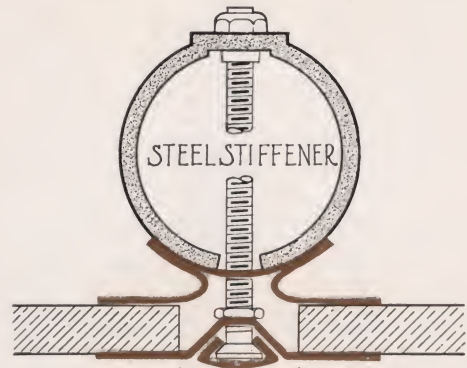
KAWNEER construction provides three sizes of corner bars.

No. 11-B, the first of these, holds the glass between spring (back piece) and face members, which are held up to tension by a specially constructed machine screw. The other Division Bars, No. 12-B and No. 13-B, are provided with steel tube-shaped reinforcements for the spring or back member. Note the method of joining these steel reinforcements with the Division Bar proper. The spring member provides a tight grip upon the glass at the same time affording enough lateral resiliency to absorb shocks and vibrations. Because of this resiliency in Corner and Division Bars as well as in Kawneer sash, plate set in Kawneer construction is scheduled at a lower rate of insurance.



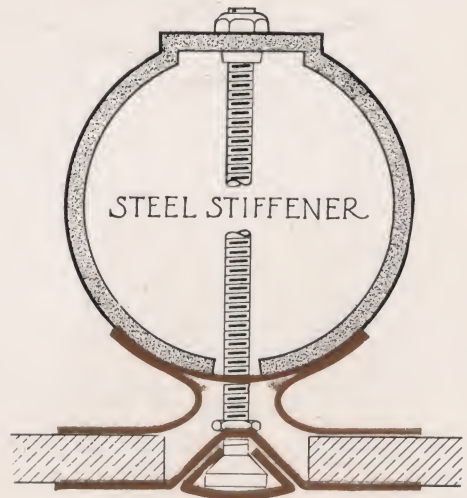
LIGHT $\frac{5}{8}$ N°11-B

This bar is designed to hold smaller glass sections where no particular strength of the bar is required.



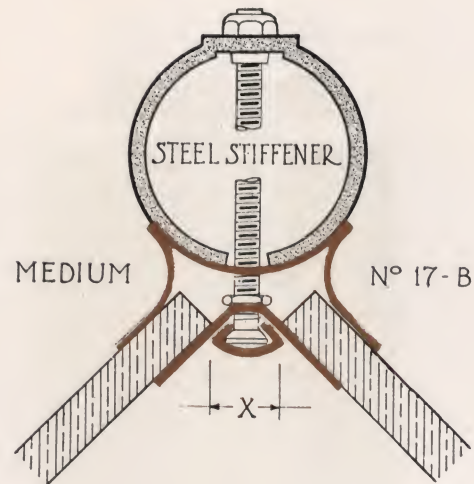
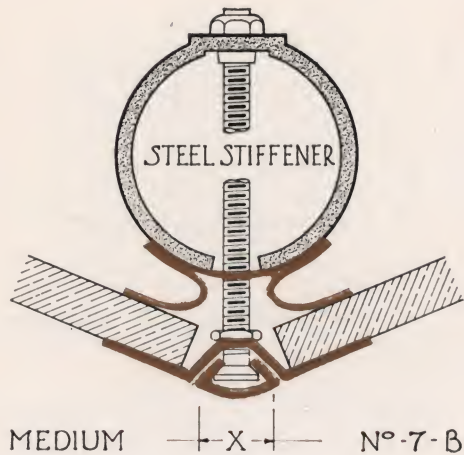
MEDIUM $\frac{5}{8}$ N°12-B

The sufficient lateral strength of this bar, together with a yielding spring, absorbing vibrations, makes this a very desirable bar for ordinary sizes of plate.



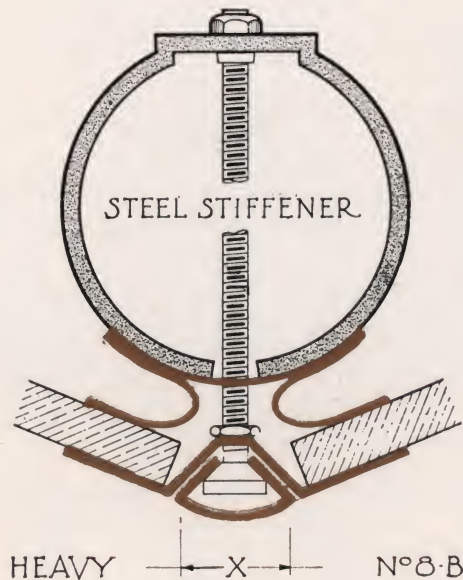
HEAVY $\frac{3}{4}$ N°13-B

This bar is designed for extra large plates where especially great lateral strength is required. It possesses the same merits as are found in No. 12-B division bar, except in a far greater degree.



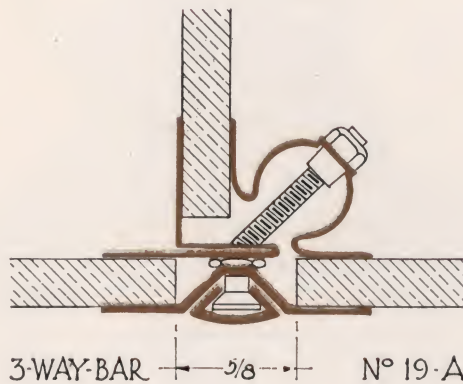
Wide Angle Bars

TO meet the frequent requirement of joining two plates at a wide angle we have designed two standard bars, No. 7-B and No. 8-B. One of these bars should be specified for every angle of from 135° to 180°. Please note that neither No. 7-B nor No. 8-B can be made for an angle of less than 135°. This is because of the shape of the spring and bead members. These wide angle bars are provided with the same sturdy reinforcements as feature the standard Kawneer Corner and Division Bars. Both of these bars are similar in construction, No. 8-B being provided for setting larger plates (see table on Page 48).



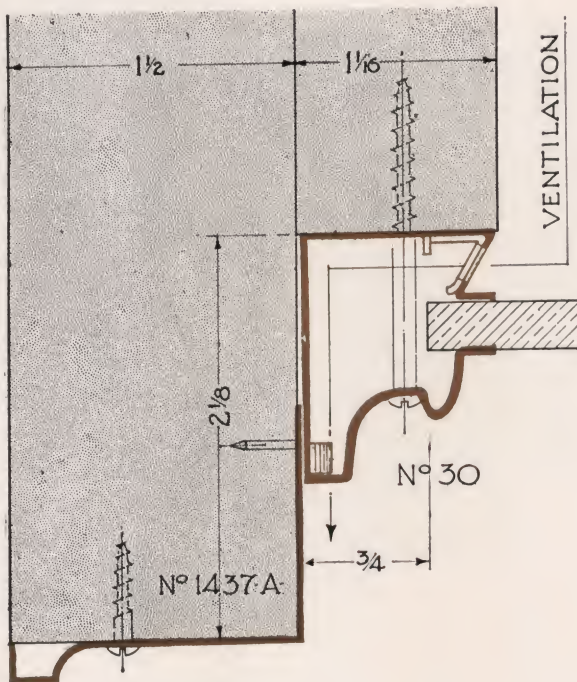
Reverse Angle Bars

IT frequently occurs in constructing a modern display window that plates must be joined at an angle reverse from the ordinary 90° corner. Use of our standard Corner Bar on such cases would bring the reinforcing tubes on the outside. To meet such conditions No. 17-B and No. 18-B Reverse Angle Bars are provided. See table on Page 48 as to which of these Bars to use.



Three-Way Bars

THIS form of bar is frequently required where transom glass goes back into the return as well as straight across the front. Right or left installations are easily made.



Side Jamb No. 1437-A

Fits standard 1 1/2" core. Moulding fastened by bronze screws.

Window Sales Increased 100%

WELLS'

348 BROADWAY

KODAKS AND PHOTOGRAPHIC SUPPLIES
HUYLER'S CANDIES

SARATOGA SPRINGS, N. Y.

Kawneer Mfg. Co.

Niles, Mich.

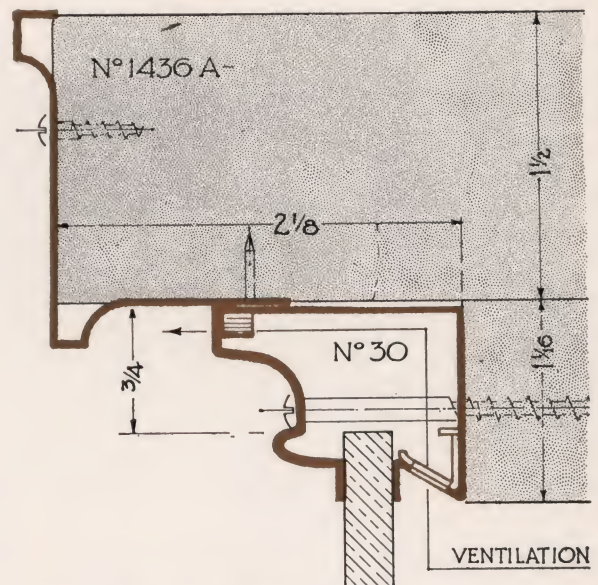
Gentlemen:

Since the installation of my new front my business has shown an increase in all departments. Sales from window displays have increased about 100%.

The novel design suggested by you gives me over three feet more window frontage at the same time reducing the depth, which better adapts it to my line of business. It is the best mode of advertising and also the best investment that any drug store could make.

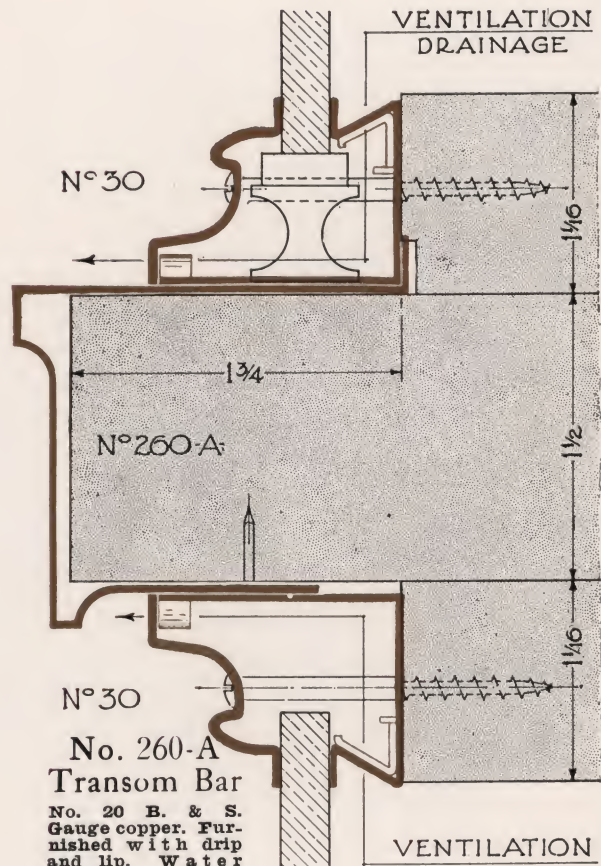
Very truly,

H. M. WELLS.

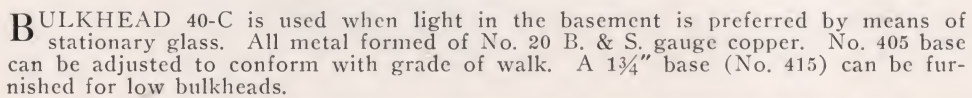


Head Jamb No. 1436-A

Provided with ample drip to prevent water from washing over glass.

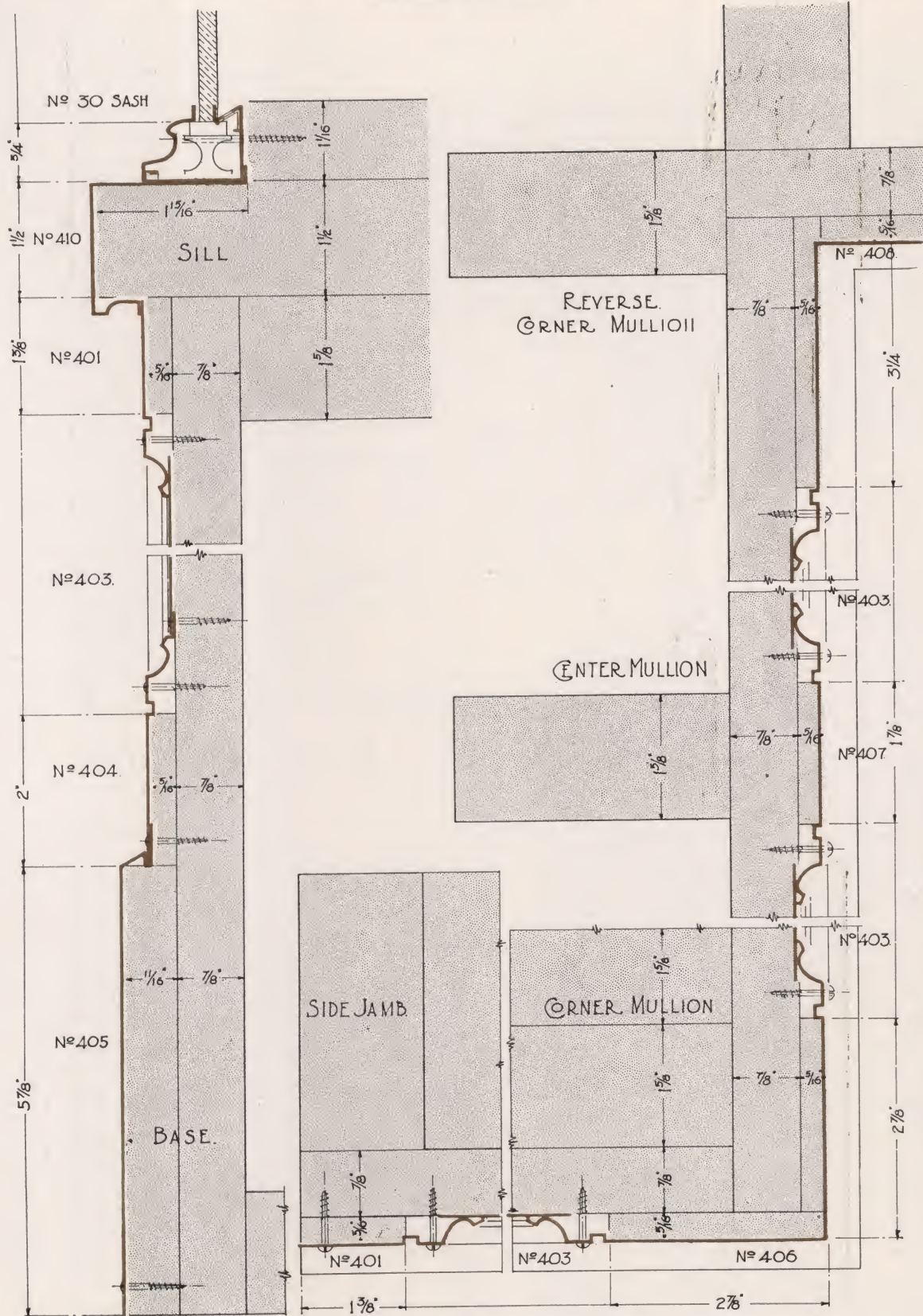


STORE FRONTS



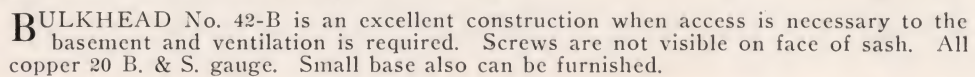
Kawneer

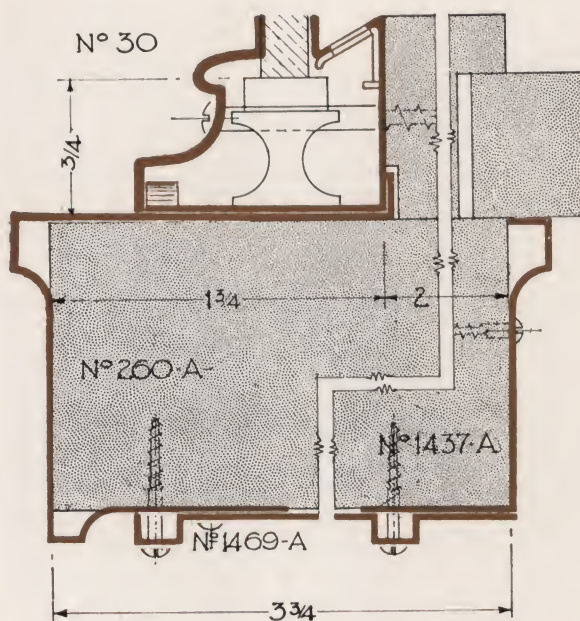
STORE FRONTS



BULKHEAD 40-D provides a stationary copper panel and is used in connection with 40-C. All metal No. 20 B. & S. gauge copper. Base similar to that of 40-C. No. 415 Base also can be used if desired.

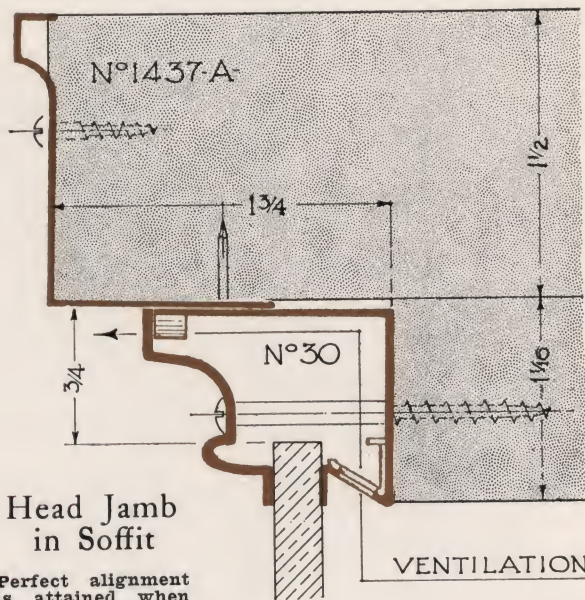
STORE FRONTS





Under Covering Over Entrance

By using 1469-A and 1437-A the exposed wood is concealed.



Head Jamb in Soffit

Perfect alignment is attained when this member is used in connection with 1437-A under covering over entrance.

Lends Dignity to Any Business

BUCKNER'S
COFFEE WORKS
THE HOUSE OF QUALITY
NEVADA, MISSOURI

Kawneer Manufacturing Co.
Niles, Michigan.

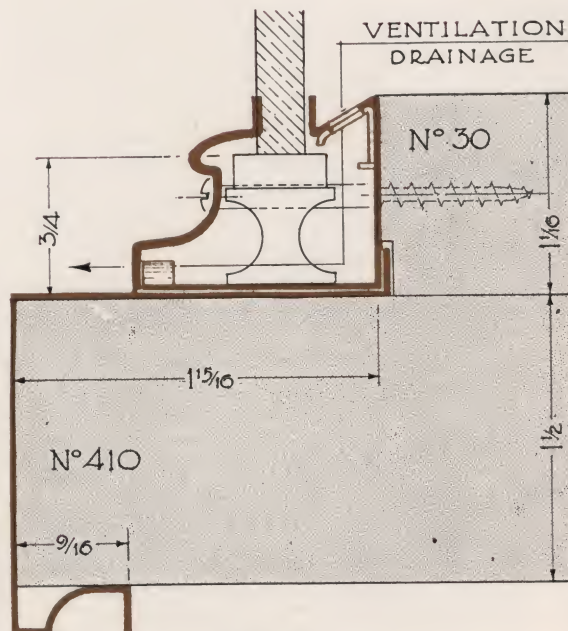
Dear Sirs:

With reference to your letter of March 21, asking my opinion of the Kawneer Store Front, will say I appreciate mine very much. I find it a great sales agent. I also find the windows are not nearly the trouble to trim and after you view the result you feel you have accomplished something. Well displayed goods means, of course more sales. A good Kawneer Store Front adds value to merchandise and lends dignity to any business.

I consider an old store front a detriment to anyone's business and a shortsightedness that is very expensive. I would not think of doing business without an up-to-date Kawneer store front.

Yours very truly,

A. H. BUCKNER.

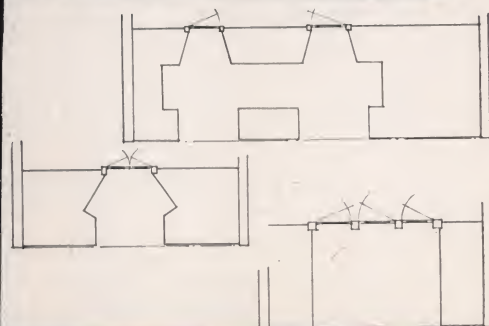


Sill No. 410

Fits snugly over 1 1/2" core, so that it will not dent. Provided with drip and lip to ensure water-tight construction.

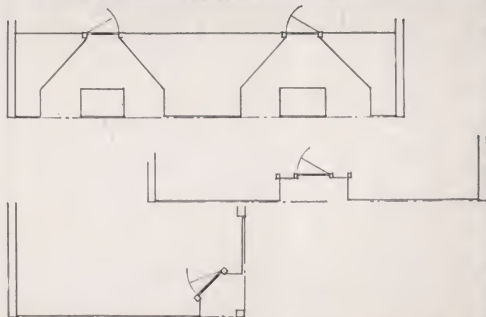
Kawneer

STORE FRONTS



Kawneer

STORE FRONTS



Kawneer

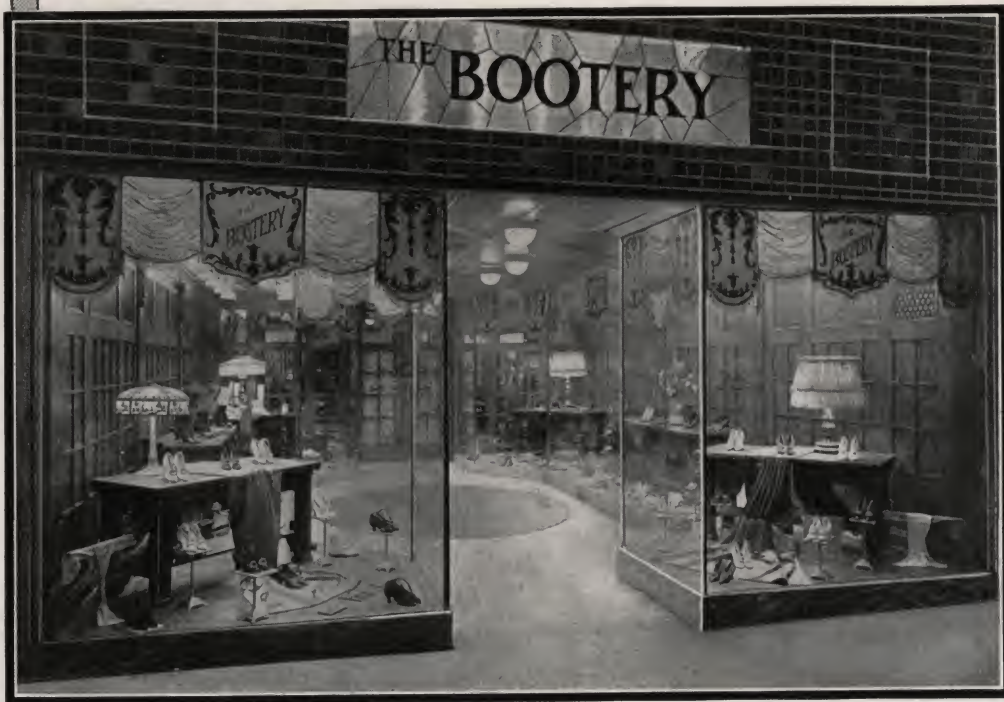
STORE FRONTS



Kawneer

STORE FRONTS







Kaw
Stor

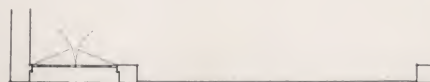


Kaw
STORE



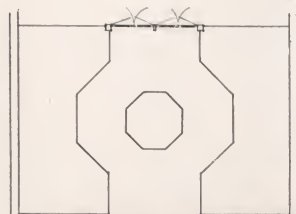
Kawneer

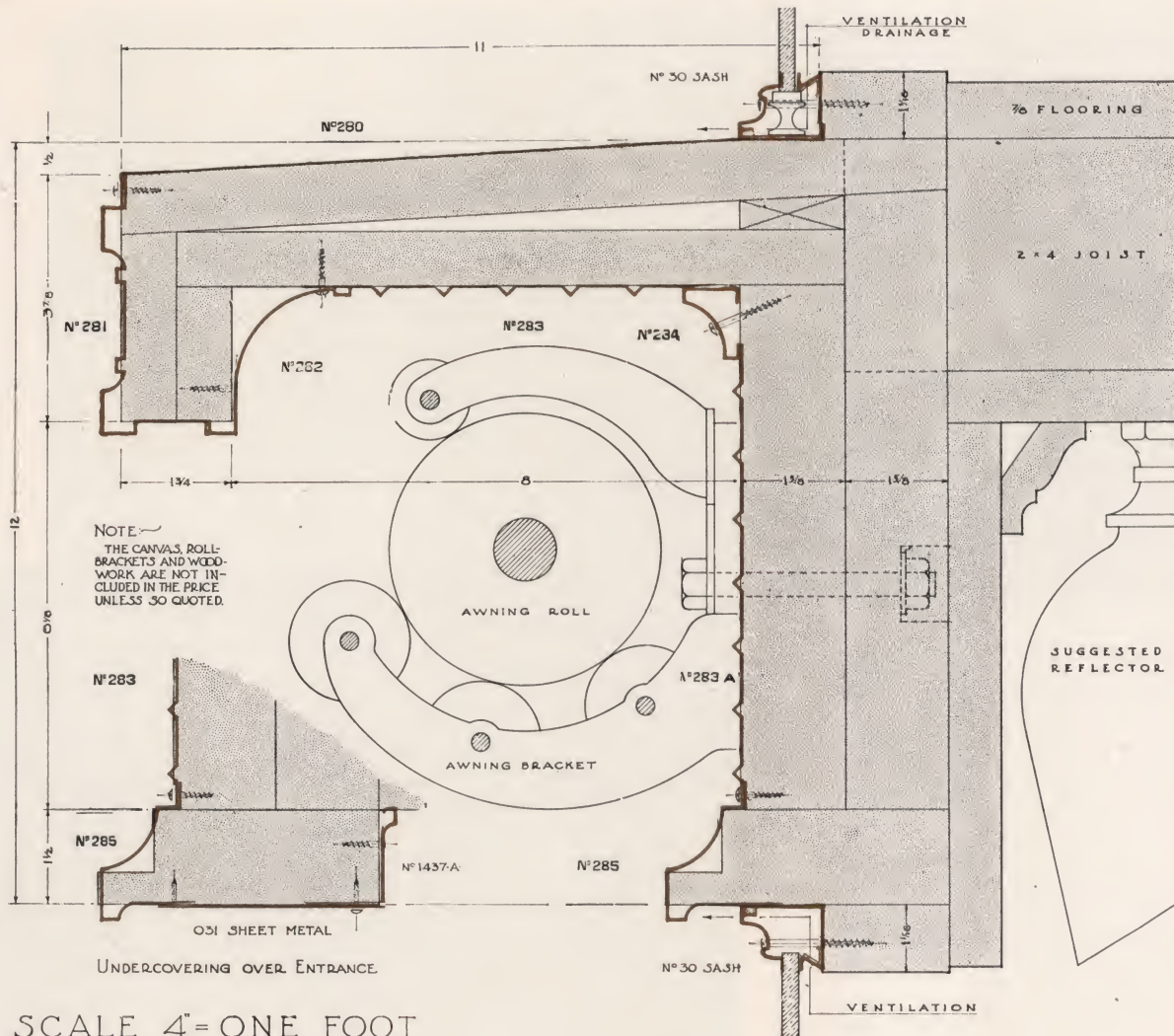
STORE FRONTS



Kawneer

STORE FRONTS





SCALE 4" = ONE FOOT

Awning Transom Bar, No. 28

THIS bar is designed for use with an awning only. Its hood affords a splendid protection for the awning canvas when rolled up.

The design permits the use of any standard awning fixtures.

No awning fixtures of any description or wood are furnished by us, unless so agreed.

The bar is suspended from the head jamb by means of $\frac{7}{16}$ -inch iron rods, threaded both ends, right and left. Similar rods are also furnished for No. 26-A and No. 27-A. These rods are not included in the cost of the transom bars.

Aside from its practical merits, this bar is very ornamental and strong.

The installation is very simple. If the woodwork is erected in accordance with our full size details, furnished for erection, a perfect fit of the various mouldings is guaranteed.

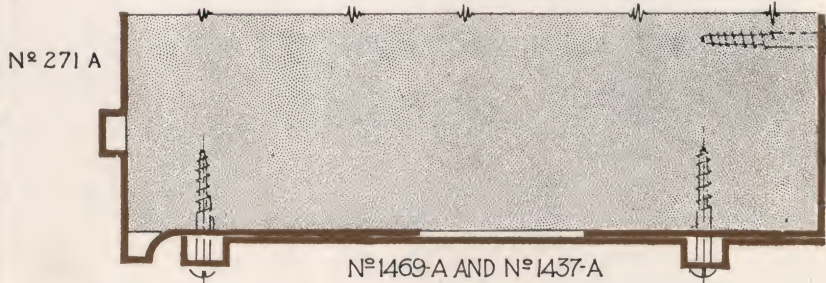
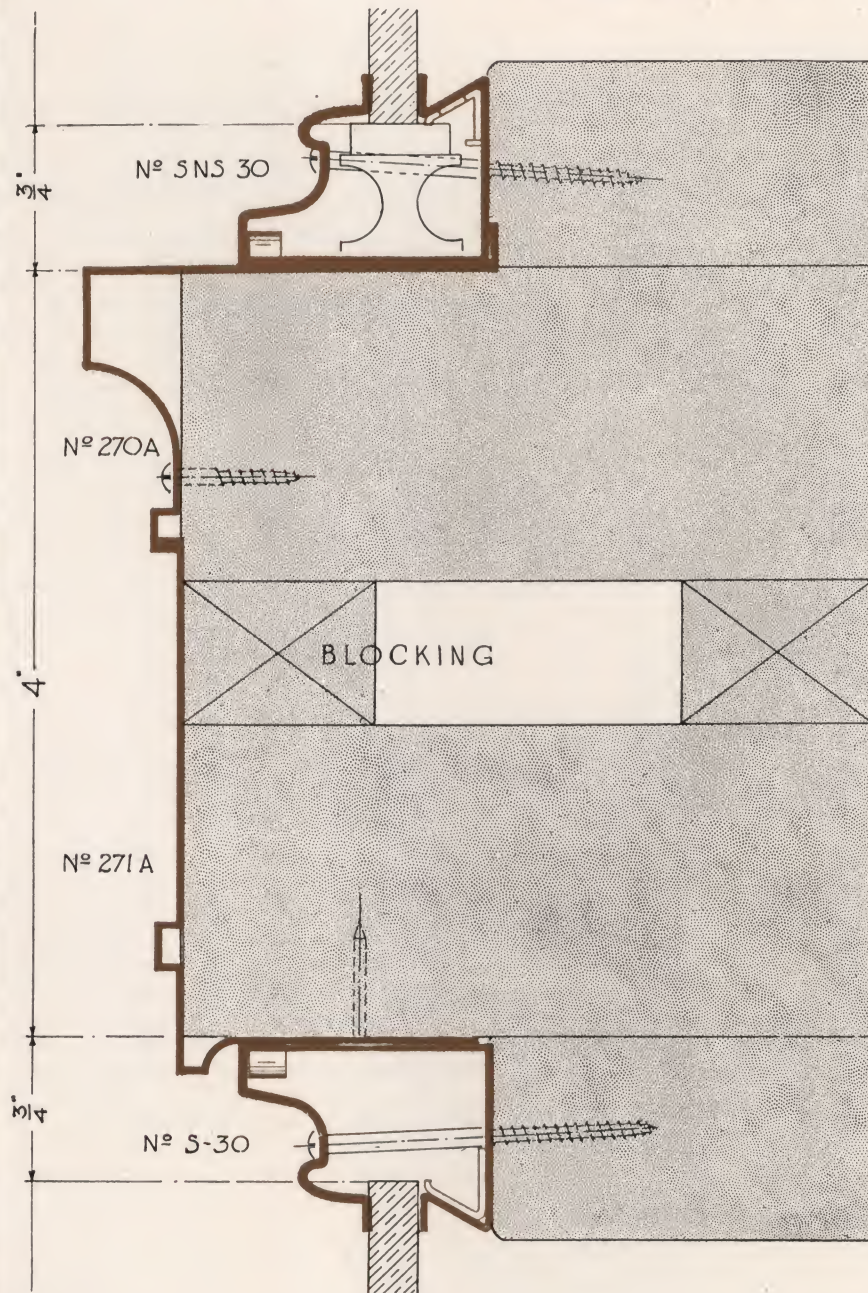
Service for Architects

OUR Engineering Department will cooperate with architects, when desired, in the preparation of complete details of Kawneer Construction.

Our organization has been developed upon a basis of service. During the eleven years of our experience we have built more than 60,000 Kawneer Store Fronts. In working out these problems we have learned many important points about designing and installing store fronts.

A representative from the nearest of our fourteen branch offices will be pleased to take up any point upon which special information is desired.

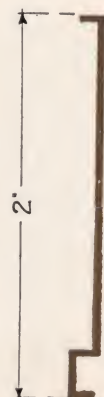
A letter to nearest branch office or factory at Niles, Mich., will bring a prompt reply.



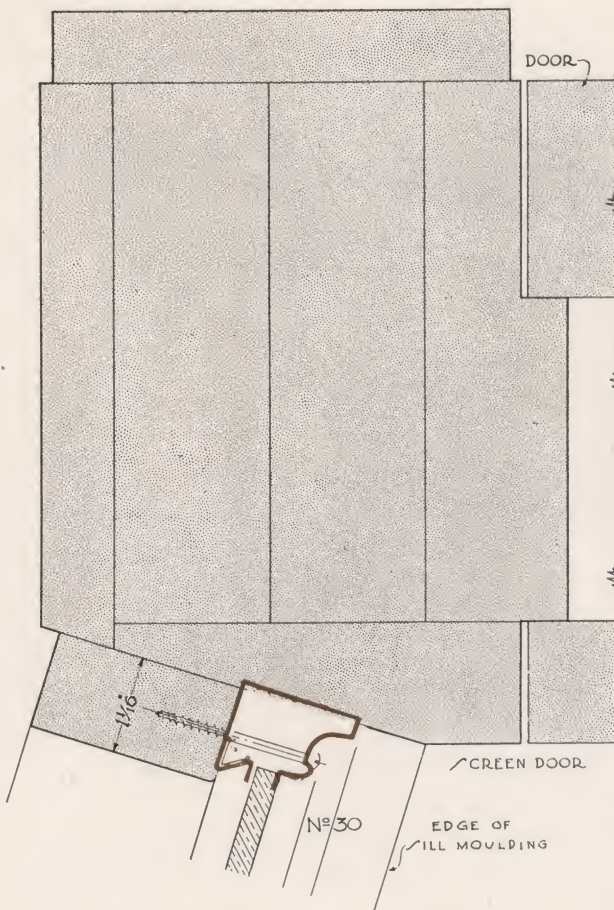
Under Covering over Entrance.

No. 270 Transom Bar

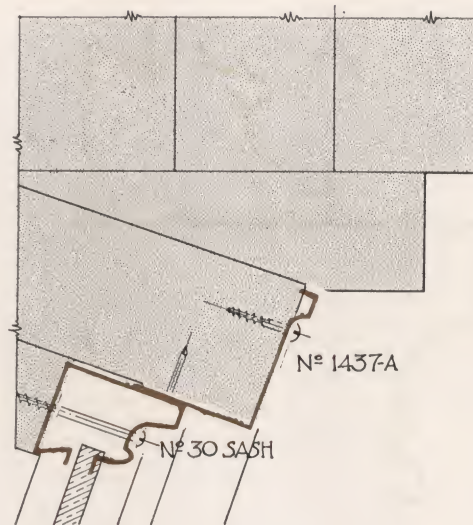
Can be furnished from 2 1/8" to 6" width. Lip of 271-A is cut when reduction is required.



N° 272-A



Standard Door Post construction with No. 30 Sash. Half-size.



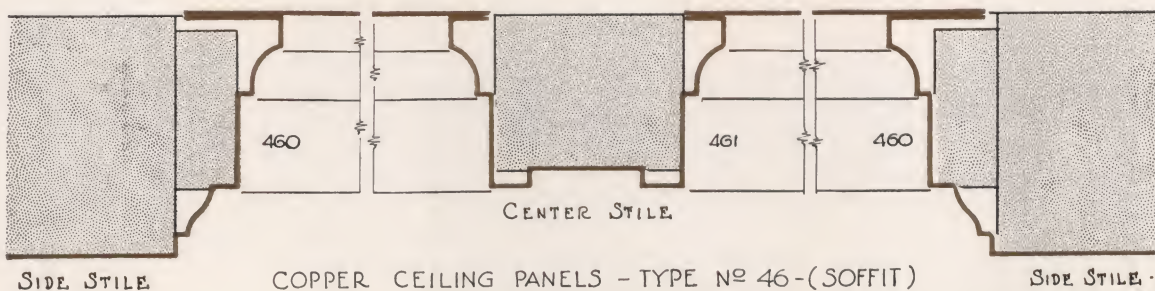
Side Jamb at Door Post. Half-size.

Corner Caps

VERTICAL and horizontal corner caps are furnished with no extra charge for the following Metal Sash: Nos. 30, 31, 33, 34, 35 and 36.

Horizontal corner caps are furnished with no extra charge for mouldings Nos. 410, 260A and 27A.

Vertical caps are furnished with no extra charge for moulding No. 609. Straightway joint caps are furnished with no extra charge for mouldings Nos. 410, 609, 260A and 1436A.



This construction is used when a metal ceiling is required. No. 20 B. & S. Gauge copper. (Half-size.)

Remodel the Kawneer Way

MANY owners of business property have decided upon remodeling as a war time substitute for a new building.

If you remodel, you will want to be sure that your investment will give you the largest return possible. You may be sure of this when you install a Kawneer Front—designed for your special needs by Store Front Experts of many years experience. Below is an example of the satisfaction obtained by more than 60,000 successful merchants.

BYCK BROTHERS COMPANY

FOOT COVERERS
TO ALL MANKIND

ATLANTA—SAVANNAH—LOUISVILLE

Atlanta, Ga.

Kawneer Mfg. Co.
Niles, Mich.

Gentlemen:

The new front you have completed for us is more beautiful than we thought it would be. We believe it to be the handsomest store front in the United States and we do not believe that anyone else could have done the work but the Kawneer Mfg. Co.

We are glad to state that since this new front has been put in, our business has shown a marked improvement and we believe the front is largely responsible for it.

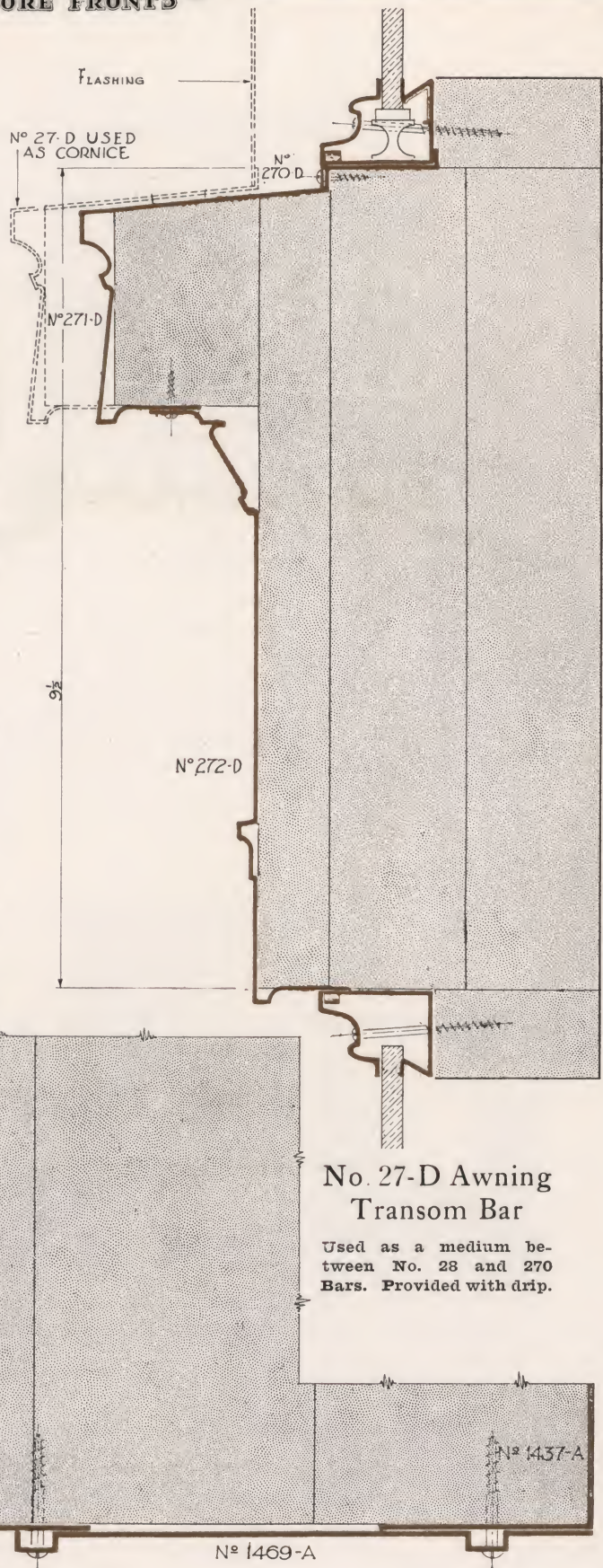
Sincerely yours,

BYCK BROS. COMPANY

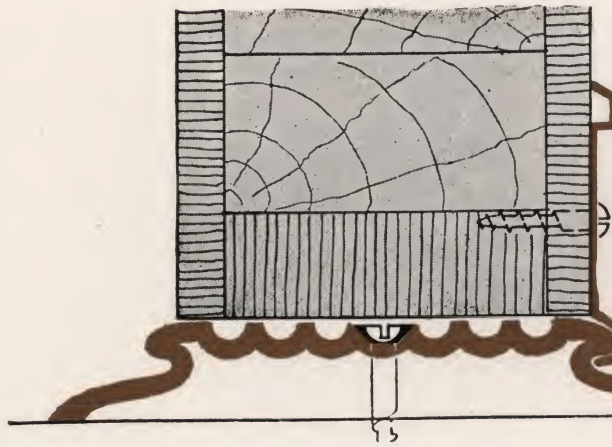
WSB-AS

W. S. Byck.

If you are interested let us show how we have succeeded with many other store remodeling jobs.

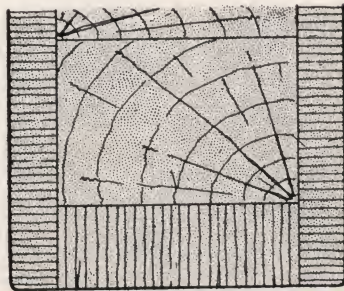


Thresholds



TYPE C—Corrugated and With Dust Plate. The interlocking of the dust plate and face of the threshold makes this style practically dust and draft proof. The corrugated top surface also is desirable in cold weather. Made for $1\frac{3}{4}$ " doors only. (Illustrated above)

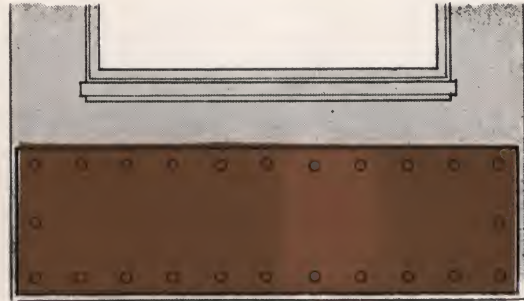
TYPE D—Corrugated and With Dust Plate. Similar in construction to Type C except it is larger. Made of No. 10 B. & S. gauge brass and can be used with $2\frac{1}{4}$ " doors.



TYPE A—Plain and Fibre Plaster Filled. A good solid threshold made of No. 16 B. & S. gauge brass. Filled with tough fibre plaster in such a way as to ensure long wearing quality. Can be used for either $1\frac{3}{4}$ " or $2\frac{1}{4}$ " doors. (Illustrated above)

TYPE B—A serviceable threshold made of No. 8 B. & S. gauge brass. Supported by a metal setting block placed under the center of the threshold. Used for either $1\frac{3}{4}$ " or $2\frac{1}{4}$ " doors.

Kickplates



STANDARD SIZES ARE KEPT IN STOCK FOR DOORS OF THE FOLLOWING WIDTHS:

2'-6" Wide	3'-0" Wide	3'-6" Wide
29" x 10"	35" x 10"	41" x 10"
29" x 12"	35" x 12"	41" x 12"
29" x 14"	35" x 14"	41" x 14"

These kickplates are made of No. 16 B. & S. gauge brass, bronze or copper. They are sheared and properly drilled for screws. Necessary screws are furnished with each order. These kickplates can be had in burnished, gunmetal, spotted, oxidized and standard statuary finishes.

Pushplates

PUSHPLATES, to harmonize with the kickplates furnished, are very often requested by our patrons. As the sizes of these vary considerably, they are made to order—cut to the size required.

These pushplates are made of No. 16 B. & S. gauge brass, bronze or copper, furnished with square sheared edges to conform with those of the kickplates.

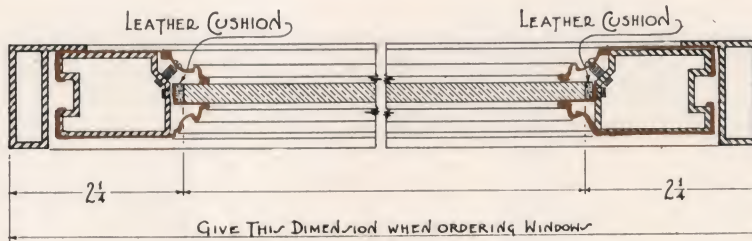
Holes are properly drilled to receive screws, which are also furnished with each order.

The pushplates can be had in the following finishes: Burnished, gunmetal, spotted, oxidized and standard statuary finishes.

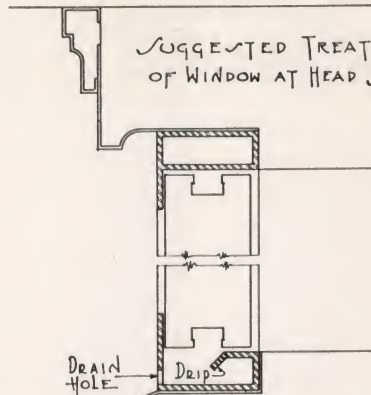


Kawneer

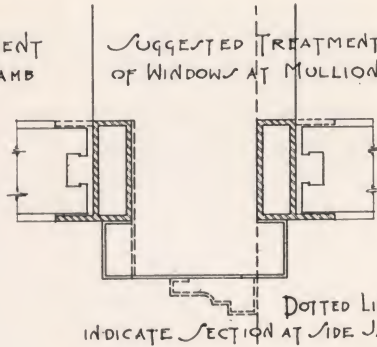
STORE FRONTS



HORIZONTAL SECTION. No. 50-A-HINGED WINDOW



SUGGESTED TREATMENT OF WINDOW AT HEAD JAMB

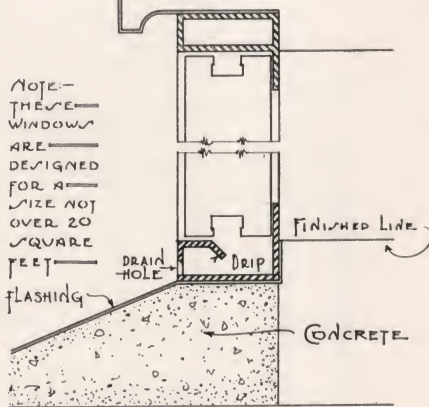


SUGGESTED TREATMENT OF WINDOWS AT MULLION

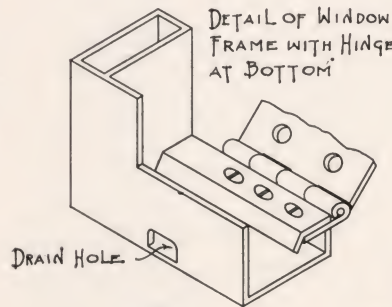
DOTTED LINES INDICATE SECTION AT SIDE JAMB



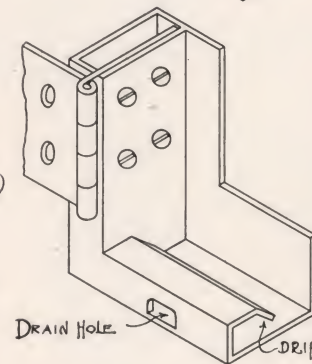
SUGGESTED TREATMENT OF WINDOW AT TRANSOM BAR



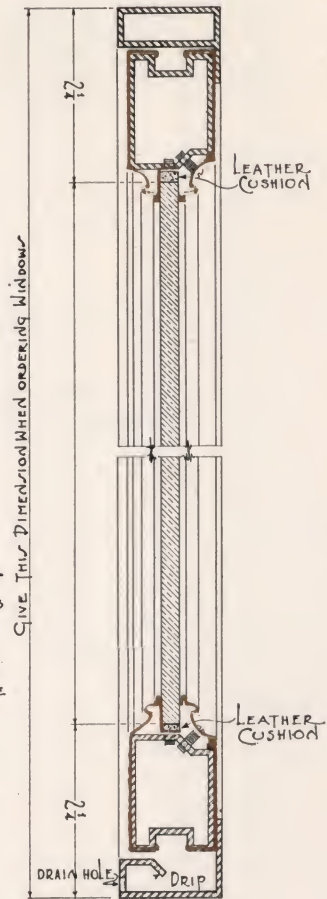
SUGGESTED TREATMENT OF WINDOW AT SILL



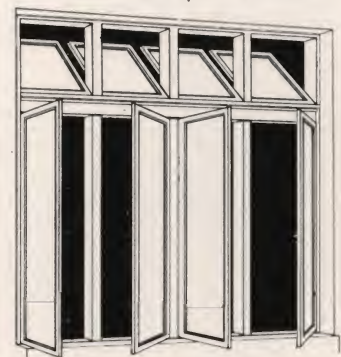
DETAIL OF WINDOW FRAME WITH HINGE AT BOTTOM



DETAIL OF WINDOW FRAME WITH HINGE AT THE SIDE



VERTICAL SECTION No. 50-A-HINGED WINDOW



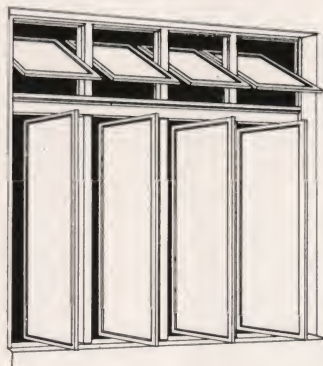
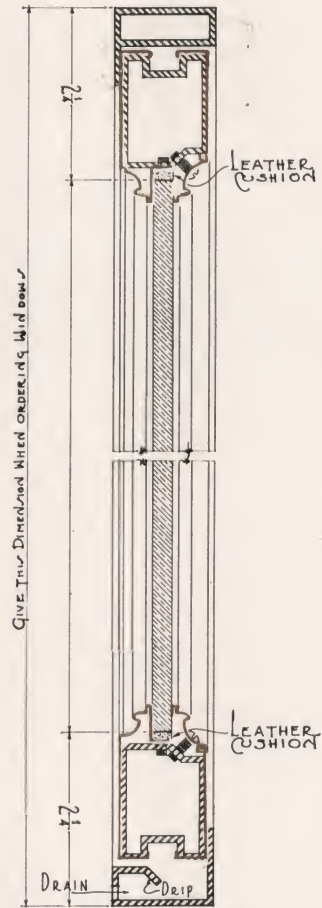
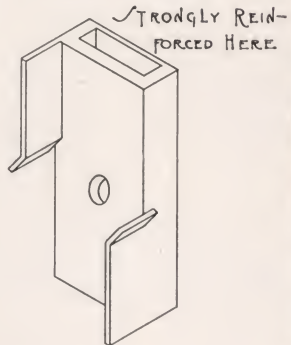
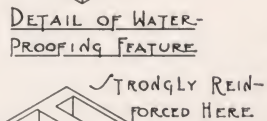
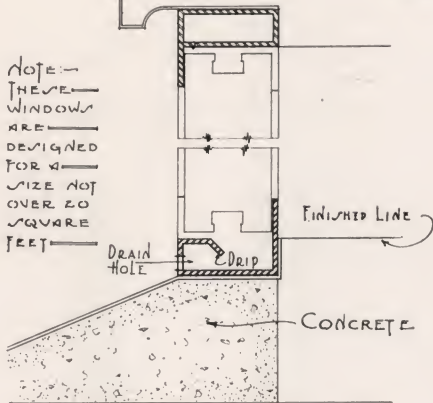
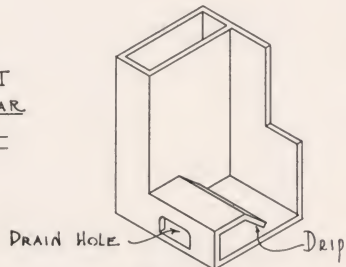
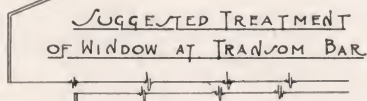
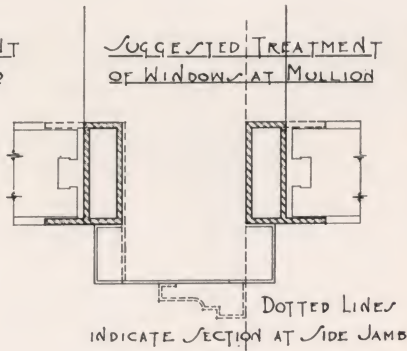
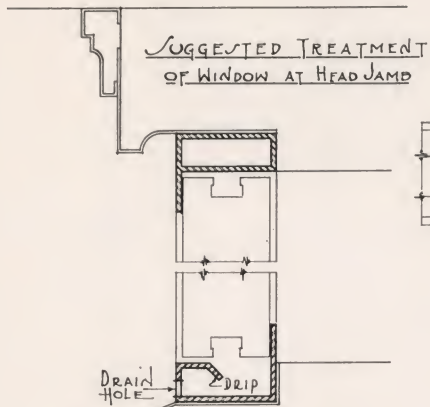
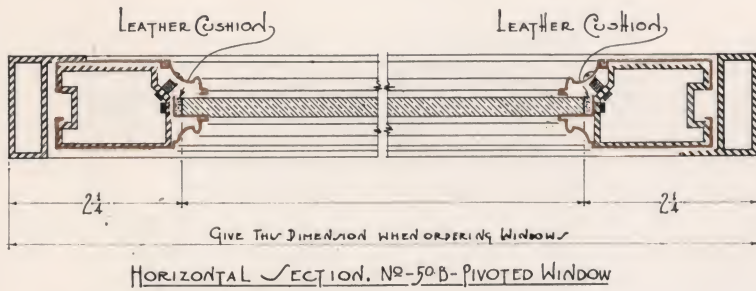
SKETCH SHOWING OPENING FITTED WITH KAWNEER No. 50-A-METAL HINGED WINDOW

No. 50-A Metal Hinged Window

A DESIRABLE construction when size of each window does not exceed 20 square feet. Windows constructed of steel frame which is covered with No. 20 B. & S. gauge copper. Outside frame is copper plated. Window frames are provided with ample drainage.

Kawneer

STORE FRONTS



SUGGESTED TREATMENT
OF WINDOW AT SILL

DETAIL OF WINDOW
FRAME AT PIVOT

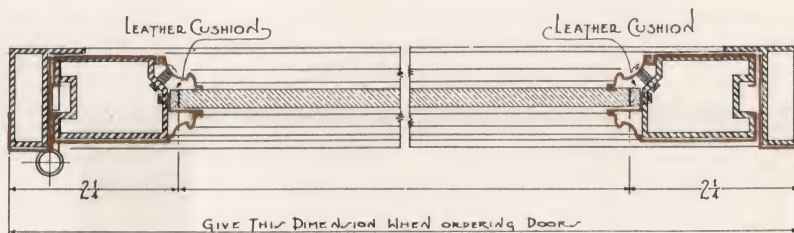
SKETCH SHOWING OPENING FITTED WITH
KAWNEER NO-50-B- METAL PIV. WINDOW.

No. 50-B Metal Pivoted Windows

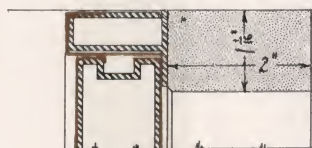
SAME general construction as on Hinged Metal Windows. More desirable for larger sized windows because of equalization of stress and ease of operation.

Kawneer

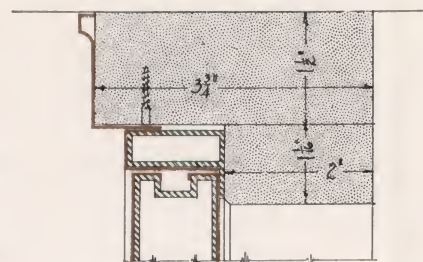
STORE FRONTS



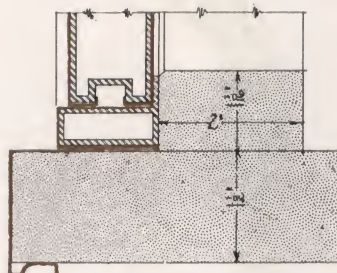
HORIZONTAL SECTION OF N^o 50-C-DOOR~



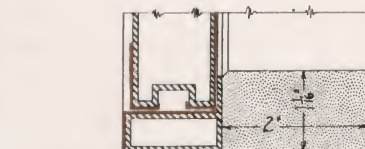
SECTION OF TOP WITH-
OUT HEAD JAMB~



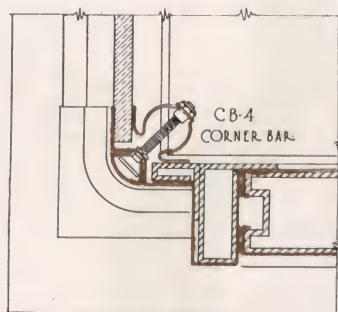
SECTION OF TOP WITH
HEAD JAMB~



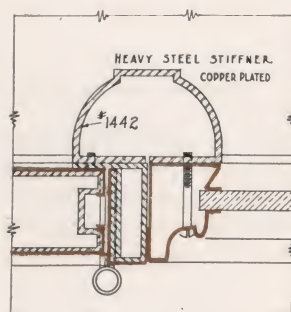
SECTION OF BOTTOM
WITH SILL MOULDING.



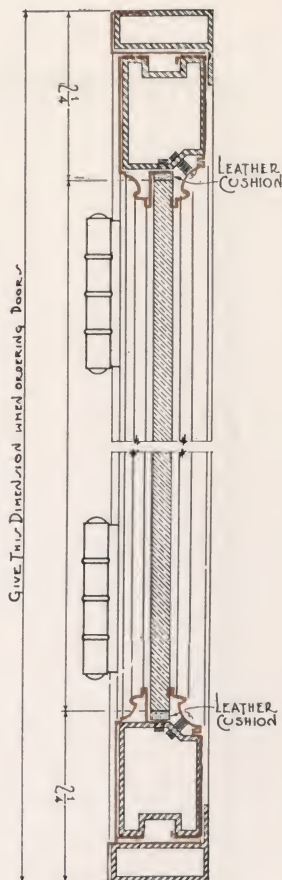
SECTION OF BOTTOM WITH-
OUT SILL MOULDING.



SECTION SHOWING CONNECTION
BETWEEN DOOR AND N^o 30 COR-
NER BAR



SECTION SHOWING CONNECTION
BETWEEN DOOR AND N^o 30 SASH.

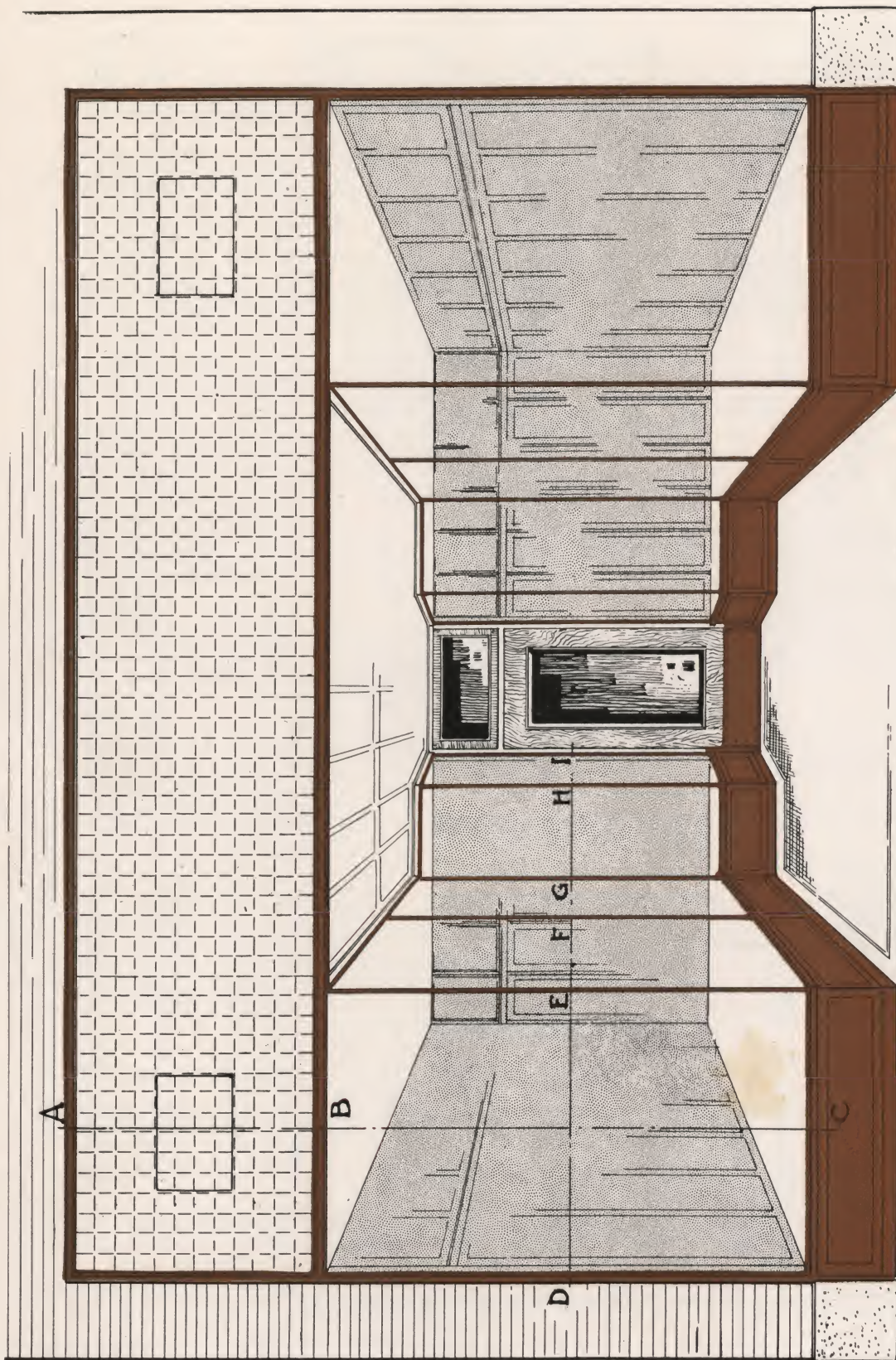


VERTICAL SECTION
OF N^o 50-C-DOOR

NOTE:
This door to
be hinged at
the side where
the stiffener
is used when
possible.
This door
is designed
for a size
not over 20
square feet.

No. H. S. 50-C Show Case Door (Heavy Construction)

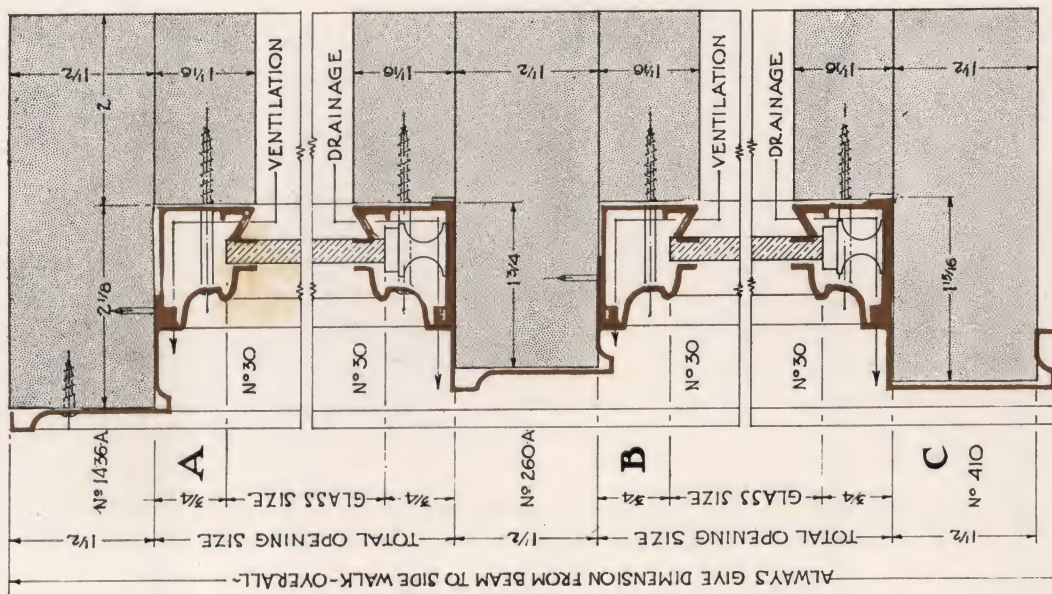
SIMILAR to Hinged and Pivoted Window construction except that drainage is not provided for unless specified and that the outside frame is copper covered in place of being copper plated. Supplied with hinges and Yale Tumbler Lock.



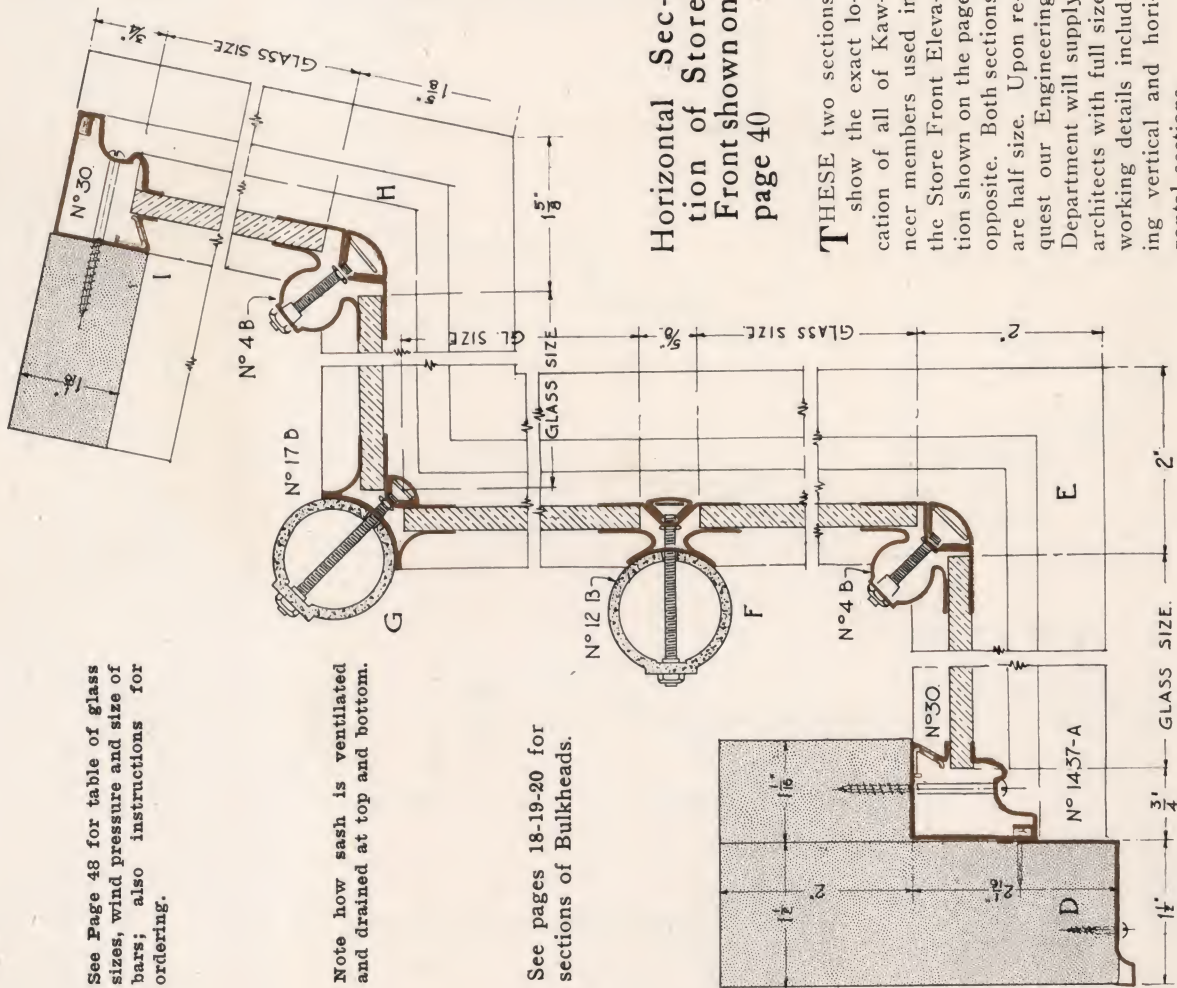
Elevation of a Typical Kawneer Store Front

Showing Location of Various Members

- A—No. 1436-A, Head, Jamb and No. 30 Sash.
- B—No. 260-A, Transom Bar Covering and No. 30 Sash.
- C—No. 410, Sill Covering and No. 30 Sash.
- D—No. 1437-A, Side Jamb and No. 30 Sash.
- E—No. 4-B, Corner Bar.
- F—No. 12-B, Division Bar.
- G—No. 17-B, Reverse Corner Bar.
- H—No. 4-B, Corner Bar.
- I—No. 30 Sash at Door Post.



Vertical Section of Front shown on page 40



Horizontal Section of Store Front shown on page 40

THESE two sections show the exact location of all of Kawneer members used in the Store Front Elevation shown on the page opposite. Both sections are half size. Upon request our Engineering Department will supply architects with full size working details including vertical and horizontal sections.

See Page 48 for table of glass sizes, wind pressure and size of bars; also instructions for ordering.

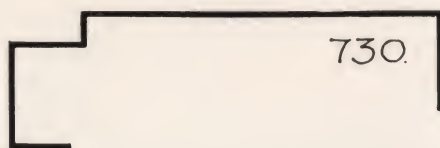
See pages 18-19-20 for sections of Bulkheads.

Kawneer

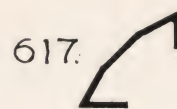
STORE FRONTS



959



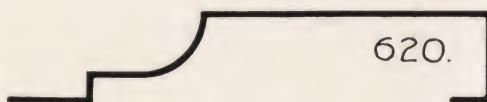
730.



617.



957.



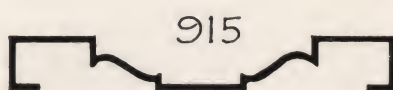
620.



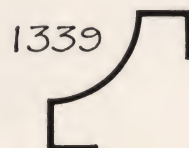
1067.



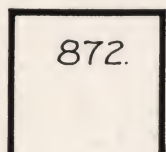
1140.



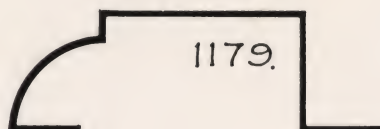
915



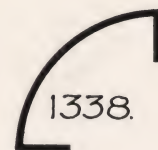
1339



872.



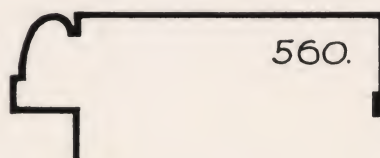
1179.



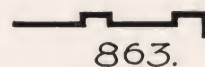
1338.



714.



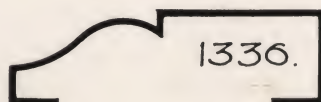
560.



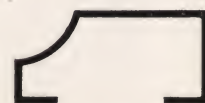
863.



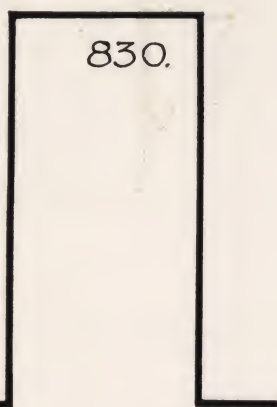
1334



1336.



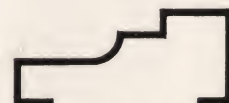
1015.



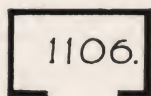
830.



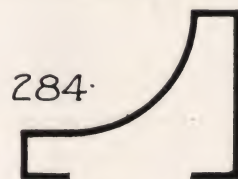
1341.



1125.



1106.

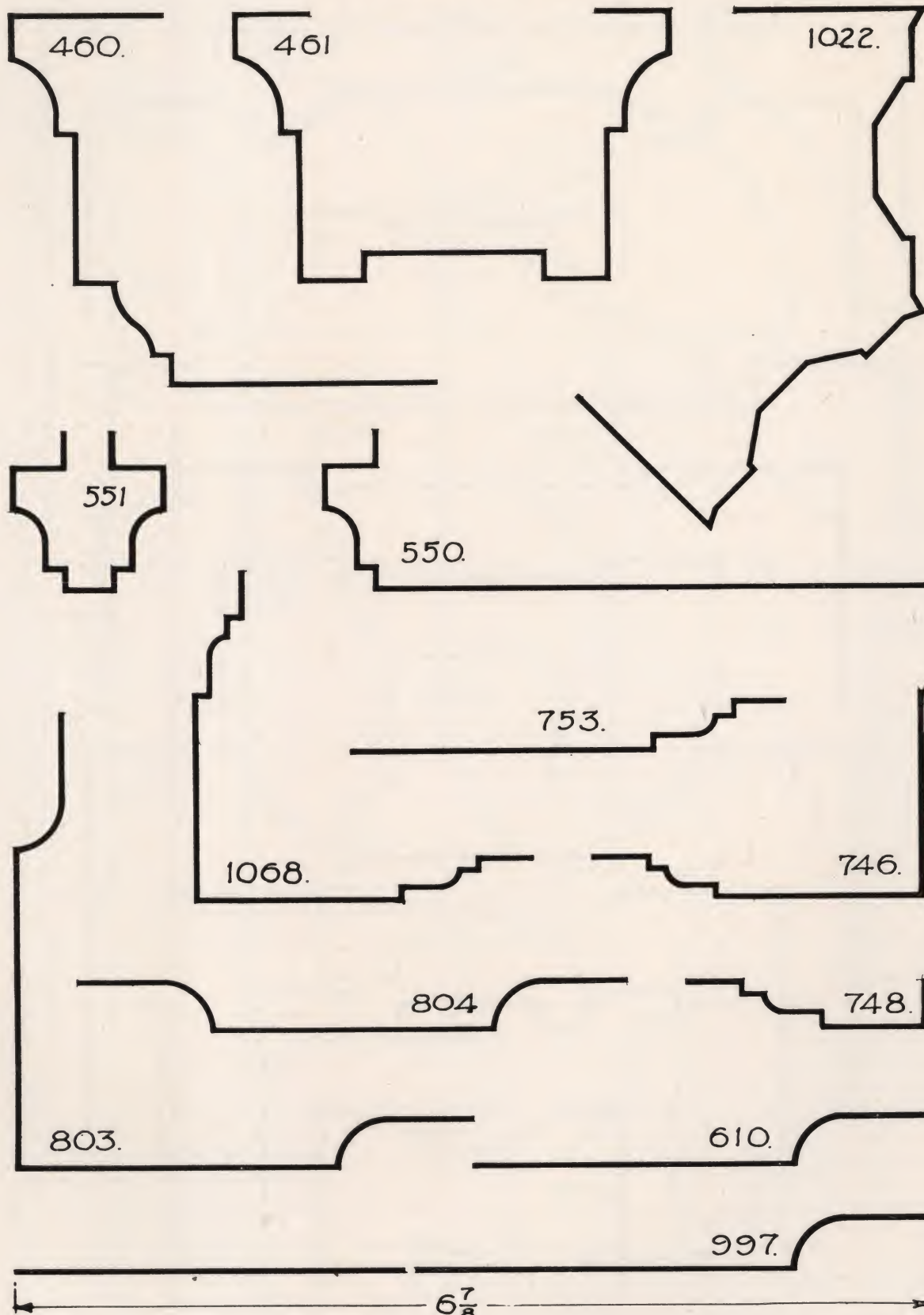


284.

Kawneer Store Front Mouldings (actual size)

Kawneer

STORE FRONTS



Kawneer Store Front Mouldings (actual size)

Kawneer

STORE FRONTS

740

1111

929

4"

282-C

661

733

856

$\frac{1}{2}$ "

790

1247

1077

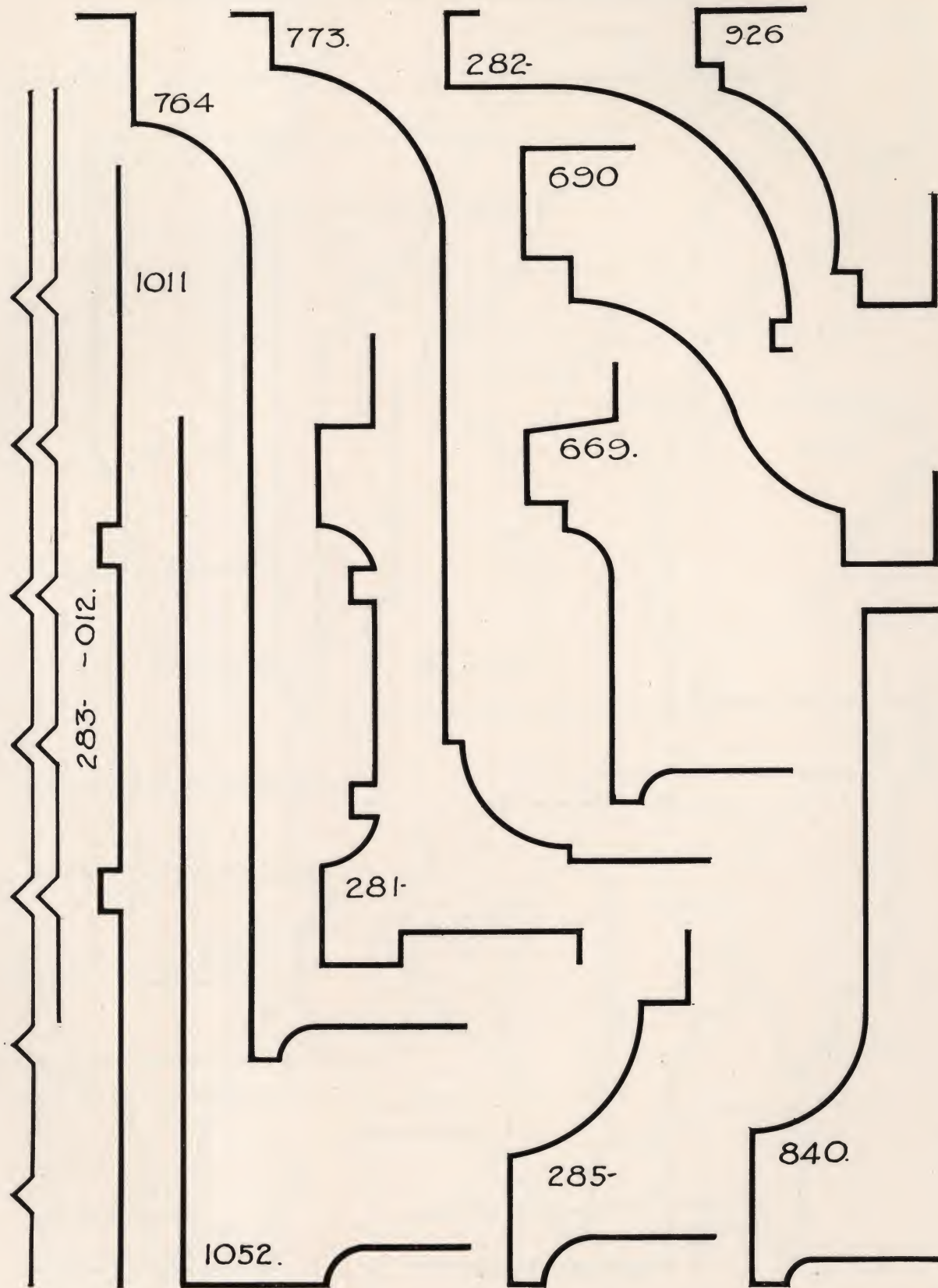
671

720

Kawneer Store Front Mouldings (actual size)

Kawneer

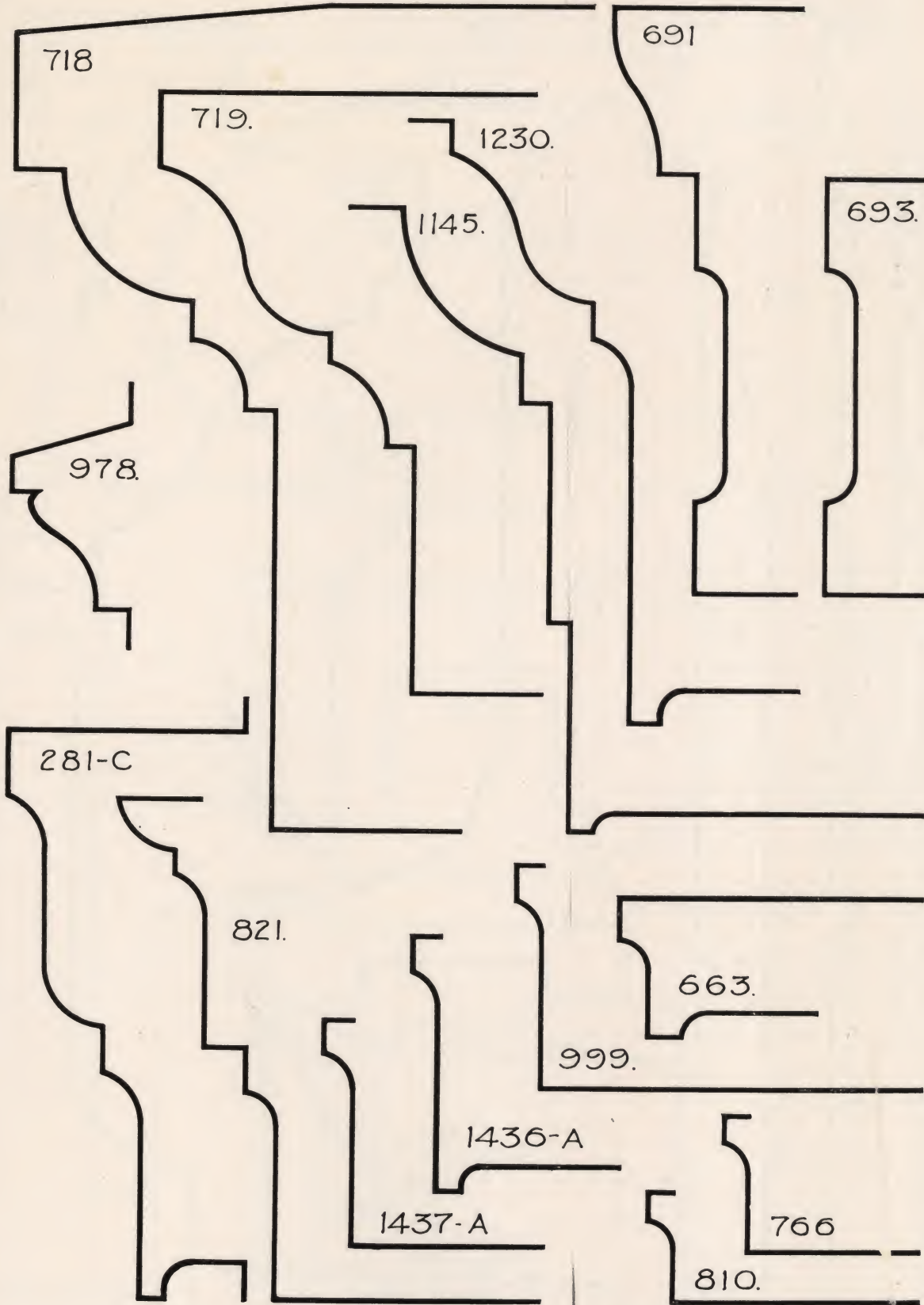
STORE FRONTS



Kawneer Store Front Mouldings (actual size)

Kawneer

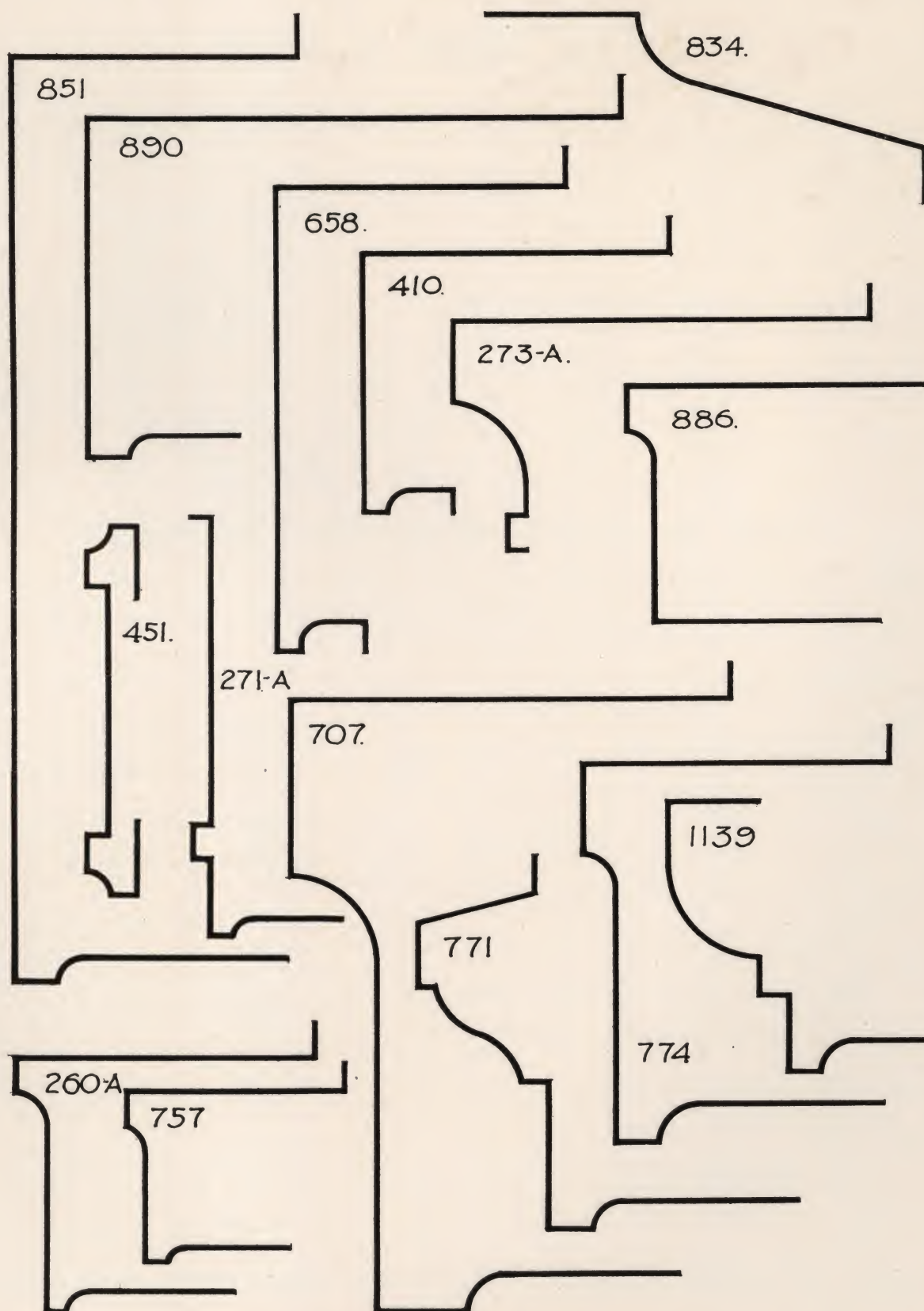
STORE FRONTS



Kawneer Store Front Mouldings (actual size)

Kawneer

STORE FRONTS



Kawneer Store Front Mouldings (actual size)

What Bars to Select

Table for Bars

IN order to facilitate the selection of proper bars we submit a table which we believe will be of great assistance in ordering. We are also submitting a formula as an explanation of this table.

A	B	C	D
No. 3-B.....	50 sq. ft.	30 sq. ft.	84"
No. 4-B.....	100 " "	60 " "	96"
No. 6-B.....	150 " "	90 " "	108"
No. 9-A.....	200 " "	120 " "	120"
No. 7-B.....	128 " "	77 " "	96"
No. 8-B.....	180 " "	108 " "	108"
No. 11-B.....	50 " "	30 " "	60"
No. 12-B.....	128 " "	77 " "	96"
No. 13-B.....	180 " "	108 " "	108"
No. 17-B.....	100 " "	60 " "	96"
No. 18-B.....	150 " "	90 " "	108"

FORMULA—We recommend all of our bars, as shown in column "A," to be used in instances where the combined surfaces of two plates held by such a bar is less than the number of square feet shown in column "B," and where the square footage of one plate, see column "C," does not exceed $\frac{3}{5}$ of the combined glass area.

This rule applies to all bars up to the limited height, which is found in column "D."

WIND PRESSURE PER SQUARE FOOT. (According to Government Report)

Velocity	Pressure per square foot	Miles per hour
Brisk gale	1¼ lbs.	16
Very brisk	3 "	25
High wind	6 "	35
High storm	12 "	50
Great storm	21 "	65
Hurricane	32 "	80
Violent hurricane...	50 "	100

How to Order Kawneer Members

WE recommend, wherever possible, that a specific order be forwarded covering the material wanted and outlining definite cutting sizes. This suggestion is made with the view of bettering our service by avoiding delays which occasionally occur in entering an order in the factory, because of incomplete information.

The following instructions have been arranged for your assistance:

(The letters shown in parenthesis refer to the cut on Page 40, showing the exact location of the part or moulding referred to.)

(A) Head Jamb Mouldings—Order the extreme width of the opening.

(B) Transom Bar Mouldings—Order the extreme width of the opening.

Note:—When ordering the No. 28 awning bar, give the extreme opening size to which we shall add 9" on each end for the extension of the hood members; also, we shall include 12" pieces of the outer member to cap the exposed woodwork at the end of the hood.

(C) Sill Mouldings—Order 3" longer than the width of the glass used above it.

(D) Side Jamb Mouldings—Order the extreme height of the opening, when using copper bulkhead construction.

Note:—Side Jamb Mouldings can stop at the top of the sill when marble, brick or wooden bulkheads are used.

(E) Corner Bars—Order the height of the glass; also giving exact angle.

(When it is impossible to measure angle properly, send sketch.)

(F) Division Bars—Order the height of the glass.

(G) Reverse Bars—Order the height of the glass, giving exact angle.

(When it is impossible to measure angle properly, send sketch.)

We strongly recommend that a rough sketch of the job be forwarded from which the number of necessary caps, setting blocks and accessories can be correctly estimated, thereby eliminating troublesome delays.

(A, B, C, D, I) Sash—Order 2" longer than the glass size.

COPPER BULKHEADS can be ordered as a unit by giving the sill measurements, height from top of sill to sidewalk, style or number; also submit a rough sketch showing the number and location of mullions.

BE SURE YOUR ORDER SPECIFIES

1. Whether ventilating slide is wanted in sash.
2. Angle of corner or reverse bars.
3. Finish desired.

PIVOTED OR HINGED SASH, AND SHOW

DOOR—Give extreme over-all measurements in every case, stating on which sides, if any, the T-iron flanges are wanted; if pivoted sash, state whether pivoted at top and bottom, or sides; also which way each is to swing. If show case door, state on which side it is to be hinged. Any additional information, pertaining to special features, always should be given as fully as possible.

DO NOT BE AFRAID TO GIVE TOO MUCH INFORMATION.

CURVED MATERIAL—Either state definitely or submit a sketch showing whether the curve is horizontal or vertical. Also give radius and show to which point the radius is taken providing the curve is regular and uniform. If the curve is not regular, submit a full size detail or templet.

Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL

www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

Mike Jackson, FAIA

